

# Sequence Listing

<110> Baker, Kevin P.  
Goddard, Audrey  
Wood, William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<130> P. 751R1C1

<150> PCT/US00/20006

<151> 2000-07-21

<180> US 60/145,701

<181> 1999-07-26

<160> 544

<210> 1

<211> 478

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 212, 285, 424

<213> unknown base

<400> 1

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aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150
gaagcagtat agtgtttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tntcgggcaa acatttttaa aaaataaaaa aatgatatgc 250
taagaaagaa gagaaaaagg aattacacaa aatgntcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtntaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478

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<211> 682

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 51, 62

<223> unknown base

<400> 2

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ntccccgccc gnttcgggcc cccagtgcc gcccttcgcg ggccggaggg 100

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gcgagtctgg gctttgggcg cttegcagcc gcaggcgaca tctcttttcc 150  
 tagctaaagc cccaaaagcc caggtgggtt cctgggagag cagggtgag 200  
 cctccgctt cagatcagaa caggcagagc ctccaagggc ggcttgggccc 250  
 cagtgcctgc ttatccctgc cgtctctcca cacttcttct tccctgtcc 300  
 gttggagtc attccttctt ggaaaagcca aagccgcgct cccctaagag 350  
 tcatgtgta ctggattaat tgaaattctt gataggtaac agagttttat 400  
 catcagctta tgattgcta tgactagctc aaagttaagt ttaataaac 450  
 tagtaagta aataaacctc attcctaat acaaggaaaa gaactatata 500  
 atgaatactt gtctctatgc cctctctgca tagataacaa taatttaggt 550  
 ttaoctttaa atgaactgca tttaaatgaa attaatTTaa atgattgttt 600  
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<210> 3

<211> 835

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,  
 78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,  
 131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,  
 196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,  
 240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,  
 337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,  
 562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,  
 811, 824-835

<223> unknown base

<400> 3

nagaanggaa gngaaggagg aagaggngnn naagaggag gggaaaagng 50  
 ganggnag nngagnang ngngganann naggnngnag naggnccnag 100  
 anggnaagng nttgnaagaa aggganngcc nggtaaaaana gnacnnccc 150  
 aagaagngat tangngngnt tctngntga agyntgtgga tccanntnt 200  
 tccccggan ttatngntng gnaacaanat ttchanganyn naonnaggca 250  
 aacaatnaan ttccaaggt nttggtagna tttcccnogg nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gtntntcccc 350  
 tttcccttc ccttttcccc accccggggg ttenggttg tnaagaaaaa 400  
 aaaaaaaaaa aagaattntg gcggggctc ggaggagntg gtgatcggt 450  
 ggtgcatant cggctctta ctactggnta ttttggcatt ctgctggana 500  
 natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550

aacagcaatt tnttttttag caattgcant tatcaentca gcacttgnac 600  
 cagaggaaat attttnggtt tcttacatgn aaaatcaaaa tggtagattt 650  
 aaggantggg ntaatgntaa ngtcagcaga cagnttgagg acaactgtatt 700  
 anacggttac tatactttat attctgttat attgttctgt gtgttnttct 750  
 ggatoccttt tgtctactta tattatgaag aaaaggatga tgatgatact 800  
 agtagatgta ntcaaattaa aacnnnnnnnn nnnnn 835

<210> 4  
 <211> 491  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 181, 213, 251, 335, 345-346, 350, 357, 374, 381, 387, 398, 401,  
 403, 427, 442, 447, 451, 453, 481, 494, 486, 489  
 <223> unknown base

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 aaaaatgata caaggcatag gaagaagaaa ttaggattat atgctatgta 150  
 agaagcagta tagtgttttt tgaaaataga nttgaattag ttggaaatcc 200  
 atattgaaaa ctntcgggca aacattttta aaaaataaaa aaatgatatg 250  
 ntaagaaaga agagaaaacg gaattacaca aaatgctcaa ttaaaaccac 300  
 ahaaggaagc aaaagtgtgg aaaacaaaaa ggggnacaaa gaatnnngcn 350  
 acaaaacngca aacagtaaca attntggtaa ncattantcc aattatantt 400  
 nenattactc taaatatcaa tgtttttna atgtctattg tnagaengag 450  
 nttaccagag agnacacatt atataaggtc ngangngtng g 491

<210> 5  
 <211> 537  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 4, 12-13, 31, 37, 40, 43-44, 46, 50, 55, 64, 68, 73, 97, 114,  
 124-125, 137, 148, 183, 185, 227, 233, 236, 238, 264, 266, 268,  
 276, 322, 325, 334, 340, 345, 417, 426, 428, 472, 474-475,  
 482-484, 500, 502-503, 509-510, 521, 540, 543, 558, 588-589, 594,  
 598, 606, 616, 631, 633  
 <223> unknown base

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 ggattgaatt ccnnggggat cttnnagaga tcccttngac tttgaconaa 150

ggggtccggct ttaggggaag aagttgggtgt ttngntgggc cctggtaactg 200  
 aagacgcgtt ccgggtagcc caaagangtt tentantnac ccaaagcccc 250  
 gcacccgcct tttntntntt ttctnttggc aggatgagge gtgcaggcct 300  
 ggggtgaagga gtacttcctg gnaantatgg gaantatggn tatgntaata 350  
 gtgggtatag tgccgtgtgaa gaagaaaatg agaggctcac tgaaagtgtg 400  
 agaagaaag taactgntat aaaatntntt tccattgaa ataggccatg 450  
 aagttaaaac ccagaataaa tnannagcgg annnggatta aaaagacgan 500  
 ttnacaaenn tgattttgt ngtataacta tgggcataa tgnagatttt 550  
 ttccagangg agctaaacaa agatgttgtg agatatgnng aggtatnat 600  
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<210> 6

<211> 969

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 12-13, 25, 46, 49, 53, 64, 94, 118, 134, 140, 153, 155, 164, 172,  
 175, 177, 182, 184, 191, 210, 218, 221, 223-224, 240, 242, 250,  
 259, 266-267, 272, 276, 298, 305-306, 319, 339-340, 344, 346,  
 348, 353, 384, 397, 408, 432, 455, 457, 470, 474, 480, 502, 504,  
 519, 525, 559, 579, 597, 625, 629, 631, 634, 645, 649, 655, 657,  
 666, 670, 675, 681, 697, 768, 773, 776, 786, 788, 791, 794, 816,  
 819, 830, 859, 877, 879, 886, 895, 904, 910, 913, 918, 925,  
 927-946, 952, 956, 958, 962, 966, 968-969

<223> unknown base

<400> 6

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 gagttccttt ggacctgnaa caaagggttg gaantaaan aaaaattaaa 150  
 aanccgggtt tttnggggaa anttnanaat gngnttgggg ncaagaaaaa 200  
 tgggtttttt gggagggnaa ngnggttca tttccaaatn gnaggggggn 250  
 aaaaatttna ggcttnggg gnaggnggaa aaaaatttcg tagcctcnag 300  
 gttgnnattt ttaaacctnc agaaggtggc cagcccggn tcancngntg 350  
 atnaaggcag atgggaaaag ggggatatgg ggtmataagg gtacctntca 400  
 ccccttttnga aggaaaaaaa gtggccaca gnatttttgt ttaccacaagg 450  
 gtaananatg gaattttgtn gaanataggn gaatggtgag gcatttggaa 500  
 anangggggg gggtttttnt tgaangggg agtaggggta tggatattta 550  
 tgggaaaaana gtttttggc actaaacct tttgaattac ctaatanatt 600  
 tatgtggaaa cctgtccttt tttncagnt naanaaaaat ttttccct 650



gaaantnatt tttagnaagn atatnaaaag natttttttt ttcaagngtc 700  
 agaaaccttt tagcatcatt gaagttaaaa tgaactgtcca taaacttttc 750  
 agaaatagta ggcatttnag gcnacnagat ttgtanangg natnttcata 800  
 qaattatacc agtganntna ccacctgaan cctcttggat ccgtaagca 850  
 ttcttttgna caaggaagg aggtatnng ggtaantcct tgaanttttg 900  
 qacnggaach atnacttnga atttnannnn nnnnnnnnnn nnnnnngccg 950  
 cngggncntt tntcngnn 969

<110> 7  
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 <113> Homo Sapien

<120>  
 <121> unsure  
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 308-309, 314, 322, 331, 337, 340, 345, 359, 377, 381, 385, 412,  
 420, 452, 463, 469, 475, 541, 547, 586, 777, 780-781, 784-787,  
 789, 795, 802-803, 825, 831, 838, 840, 853, 855, 863, 865, 872,  
 895, 889-890, 907, 921-952  
 <123> unknown base

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 ggnttaacc aggnaaanat taaattccaa gggntttggn nngaattccc 100  
 cgggggttnc ttttaggggt tcttttgach tgaaccbaa ggtttcnggc 150  
 cnggaggggg gggggacgg ttttttccc cngcgtttcc cccggggntg 200  
 ggggttggg ngccatttg nngaagtnag tggggagng gantgggaac 250  
 ccgnagttt tggagaaag naggttctt ccttaacct gggggttccn 300  
 gngcccnng gagnggcagt tnggggaata ntgtttagn ggttnggggg 350  
 gttttctng ggtcccgca agggggnggt ncttnataaa agggtgcctt 400  
 tttcccccac gnttccagg cngagaggag ccgcacgtc ggtttggaga 450  
 tngcgcgaa gngggctnt ggttnggatt tgcccgcat cggccacagg 500  
 aaaagcctgg tccctaggca cggttgttgt tccagcttt ngttttntcg 550  
 aacattgagg tattcgctca gccaccacg ttgtctcgg ggttattagg 600  
 cccagtcac aagccctatg atgttttcag acttcccagg tggagataag 650  
 gaaaatttta ctattttctg agaactctg ttgatgtaca gcattgtatt 700  
 tagcaacttc tgtgtagatc tgaaaataaa tacattacca attgttagtt 750  
 gcgtttttat taatataatt ttagagnagn ngannnnngnt gttagaenta 800  
 cnnaggtaaa ttatgtgga ctttngcatt nttgttgntn catgttcccc 850

tgnantttgc ttngngattt cnattttatc caaantcann atagaatgta 900

atttcnaac ccacagtcgcg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950

nn 952

<210> 8

<211> 752

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147,  
166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425,  
463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615,  
618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660,  
666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739,  
741, 745, 747, 749, 751-752

<223> unknown base

<400> 8

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ctaagtgttt tgccaaaaaa attccaagga aaataangcg gagtttgatt 100

tttcagagtt caacaggaaa aangngaaca aanngcengg agntttnaaa 150

gttttgggaa agccantttt natntgttca aggaacagtt tttatttng 200

atgcacatca gaattttgga ccaggtataa tcaaggtcag antttcaacc 250

taagcctgga ccngaccat aataacggaa agtttaacaa tgactccat 300

ttntntaaag ttccagcca gaataggaca cgttcatttg gtcattttcc 350

cggctccagag ttnttggatg tagagaaaan tagcttttcc caggaaacat 400

tttgtgattc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450

tttgggtgatg aanntagcag cagctccact gaacagataa gggcaaacac 500

acctccaaat caaggaaggc cagattntcc tgtntatgnt aacctnnag 550

aanngnaaat ntccagtat ggtcttccc canttcttgg gagcctggta 600

attnagntta ttggngcctg nganaetnat atagacanct nnnngngntg 650

ttannatran cacagnggga catngnatng aagttggna cctcttgctt 700

ggantcgggn nnnnnnnnnn nnnnnntcn ccgnggggnc nttntngng 750

nn 752

<210> 9

<211> 478

<212> DNA

<213> Homo Sapien

<400> 9

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tatacagatg cacgcttatt tatacttatg tgtaagtga ataatggca 100

aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150  
 gaagpagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200  
 tattgaaaac tctcgggcaa acattttttaa aaaataaaaaa aatgatatgc 250  
 taagaaagaa gagaaaacgg aattacacaa aatggtcaat taaaaccaca 300  
 aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350  
 caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400  
 caatcacttt aaatatcaat ggtctaaata tgtcaattat aagacagaga 450  
 ctaccagagt ggacacatta tataagct 473

<210> 10  
 <211> 279  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 90  
 <223> unknown base

<400> 10  
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 agtgcagtggtt ccctgatctc ggctcactgc actccagccn ggatgacaga 100  
 atgagantct gtctccaaaa ataaaaataaa ataaaaataaa agtgatatga 150  
 acataaaaagt accttaggtc caaacaatga taacaactaa tatttatagg 200  
 gggcttactg tgggtatgat tgtgttaagc atttcacatg tatttaacca 250  
 ttttaactctt acaaacatcc taaaagggtc 279

<210> 11  
 <211> 171  
 <212> DNA  
 <213> Homo Sapien

<400> 11  
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 gctccttctt tttattgttc ctctagtatt ttctccaga attgatcaag 100  
 acaattcctc atttgattct ctatctccag agccaaaaatc aagatttget 150  
 atgttagacg atgtaaaaat t 171

<210> 12  
 <211> 615  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 53, 62, 104, 109-110, 134, 147, 159, 170-171, 209, 275, 304  
 <223> unknown base

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 cgnngcgggct cntcactaaa aggctgpcct tctccccac agctccaggt 100  
 cccnagagnn gcgcacccgt cgggttggag atcnogctca agggcgncc 150  
 ctgggtctnc atctgccccn ncctcgggca caggaaaagc cctgggtccc 200  
 taggcacgnt cgtgggttga gctttctgt ctctcgaca ttgaggtatt 250  
 cggctcagccc accacgttgt ccttcgggg ttattaggcc ccagtcacaa 300  
 gccntatgga tggtttcag acttcocagg tggagataag gaaaatttta 350  
 ctatttctgc agaactcttg ttgatgtaca gccattgtat ttagaactt 400  
 cgtgtagatc tgaaaataaa tacattacca attgttagtt gggttttat 450  
 caatataaat cttagagtac ttgattctgc tgttagcttt acttaggtta 500  
 attatgtggc actctagcat tttgtctgt gcctgttcca ttgaactttg 550  
 ctctgtgttt tccatttatt ccaaatccaa aatagattgt aacttcccaa 600  
 tttattctat gtccc 615

<210> 15  
 <211> 1207  
 <212> DNA  
 <213> Homo Sapien

<210>  
 <211> unsure  
 <212> 557, 675, 710, 733, 831-833, 1036  
 <213> unknown base

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 cctggccaaa ctatgtgact atgtacatcc acctgggttc tgcctatggg 150  
 ttagtgtgtg acaggaacat tccatgatgg ctgcagctc catcccaggg 200  
 gcacttggag aagccattcc actcagcccc cttgaacaga agaacccttg 250  
 ggatggaaaa gggaaacctg attctgcaac taagtgtctc catgagatct 300  
 gattttcagc cagggctgat cgtgggtgc cagcaaggaa gccacatcat 350  
 ctcatgttta ctagactggc cgggttgaaa gattagacaa caactttac 400  
 tttgccatta gccctgctg gcactcagta tggatctgc tggctttcag 450  
 gggcactggg tacagtgtct ccgatgcagg gcagccccctg ccaagggcac 500  
 aggtgttcat aaatatccca tgaaccaatc aaatcagcca tggatgaga 550  
 tctaaggaa cctattcneg caagcctgag acgaacactt aagcatgata 600  
 atgttatcaa cctgggtctga taggcattgg ggcactggc cctcgcattt 650

tcaatcaggg tctcaccag ggaacgatct ccaacaccaa aaaaacttgg 700  
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 attgggggga agctgggtccc ctgggcaggt tttttcattc gaggtttctc 800  
 ccccccggggg accgggggac ttccaaacac nnnnggggaa cttgtgtttt 850  
 ccaactccca gtcccagacg tgggtgtgtt ctccagagat gccgcaggt 900  
 tttaaaagt aaattgatga taattttttt gggtcaagta tagaagtaat 950  
 acattatcca ttgtagatta ttatatagga aataaaattt tttaatgac 1000  
 ttttaacccc actaacccaga actaacccac actggnggta gttaatgaat 1050  
 atattgattt acttaacaaat ataggacccc aagatatggc acatgttttg 1100  
 caaccaacct gttttgatag gccagagttg cttctgtgtg gctactttat 1150  
 ttgcaaccca aacccgtttt taaaagaaaa atcatgggtt tgtattttac 1200  
 aagtgat 1207

<210> 14  
 <211> 739  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 552, 575  
 <223> unknown base

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 tttcttttc tggcatggac atacatatgt aaatgtacat atataaaaaat 150  
 aattagtgc accatgcag gttagctaac cctgtaatcc cagcactttg 200  
 ggacgctgag gtgagagaat tgccttgagg catcagtttg aagctgcagt 250  
 gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300  
 tgtctcttaa aaaaaaatc gtattttggg ttagtagtag tacctacctc 350  
 ataggttatt atgggacag tacagtaggc cagacaaagt gogtatgcta 400  
 ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450  
 ttgctgaaat gtcccttgta tttctctctt ttogattttg atcagtcttc 500  
 ctagaagtca tcagtttgag ttttttcaaa gaaccagtgg ttggtttaat 550  
 gnatttgggt tgtttttttt tccaangatt tctgttttac tcttaataa 600  
 ttccttttc tcttggcttt gggttccatt tgttctctg tctctctag 650  
 tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttc 700  
 taacaagtgt tcaaaactat aatataaatt tccctctaag cattgtttag 750

ccacatttca caaatttgga aatgtttatt cattttcac 789

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<211> 204  
<212> DNA  
<213> Homo Sapien

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cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150  
gtgctgatgg gcatgtttat aagaactgga gaggtgatth attggaatga 200  
actaactgac ttctccatt cccctcttcc tttttgacat gaattttact 250  
atttcacaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 1F  
<211> 514  
<212> DNA  
<213> Homo Sapien

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tccactgagt atgcagctac tatgggttttt gtatgggaag tataaatact 100  
tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150  
aatatattga atggagtctt ttaaatacta ggttgaattt aattgaagtc 200  
atcacactct tgaagtggta actgcatagt aaatactacc aagagttttt 250  
ttcacgaggg agtatcttaa aactctgcca tgggtgtaaa tgttttacat 300  
taattttata attggacaga ccttgcattt agcgaaaaaa ttttgttttg 350  
aaagtgggtt ctttttgctg cactgttact gcgtaacact tctcaacatt 400  
ctgtaagtta aattatttta aaataactat ggtgaattca tgttttattt 450  
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cttttgggta taaa 514

<210> 17  
<211> 501  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 28, 57, 60, 97  
<213> unknown base

<400> 17  
aatgtccttt tttaggaatt ccaggttntg gcatccacgg ggggttgccgc 50  
ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatnoga 100

cagattttta atgtctttta agaacttctg ctgtattaac atattgtaat 150  
 ggatctttta aatactaggt tgaatttaat tgaagtcaca cacatcttga 200  
 agtggttaact gcatagtaaa tactaccaag agtttttttc acgtgggagt 250  
 atctaaaaac tctgcatgg gtgtaaatgt tttacattaa tttcataatt 300  
 ggacagaccc tgcattttagc gaaaaatatt tgttttgaaa ggtgttctt 350  
 tttgtctgac tgttaactgg taacattct caacattctg taagttaaat 400  
 tattttaaaa taactatggt gaattcatgt ttattttttt ttaacttgaa 450  
 aattgtagta ctacaggtggt atttaatggg aaaggatctt ttgggtataa 500  
 a 501

<210> 18  
 <211> 197  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 27, 42, 57  
 <223> unknown base

<400> 18  
 ctctcataact taaaaccaagt ctcttcnagt cttaggtatt anttctcgat 50  
 ttgtgtntga tgggcatggt tataagaact ggagaggtaa tttattggaa 100  
 tgaacttaact gacttctctc attcctctct tcttttttga catgaatttt 150  
 actacttcac aaatgaagaa tgatgttatg aagttacgtt ggcaaag 197

<210> 19  
 <211> 506  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 23, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398  
 <223> unknown base

<400> 19  
 tggggccccc ccaaccccg cnggtatcca aggaaaaaat tttttattat 50  
 ggggtttccn ggaactatatt gggncctatg gaaatagccc ttaaagngct 100  
 tacattcatg ngctacttta acatgaatgg agaaaatccg tttatggaag 150  
 tacagtgaac attgncccaa tcaactctgt catcaaacca ctacaggctag 200  
 tttgtacnag tagagttttg nttnantttt tattttttatt aattttattt 250  
 tttttttaat acagattttc agtgaggggc tttttcaacc ccattgggtc 300  
 tattttcttg tattttttcca ttttaattgc ttcatattt aaaccaagtc 350  
 tcttcnagtc ttaggtatta ntctctgatt ttgtgctgat gggcatgntt 400

ataagaactg gagaggtaat ttattggaat gaactaactg acttctctca 450  
 ttccctctctt ccttttttgac atgaatttta ctacttcaca aatgaagaat 500  
 gatgttatga agttaccgtg gcaiaag 526

<210> 20  
 <211> 379  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 40, 103, 125, 127, 204, 219, 378-379  
 <223> unknown base

<400> 20  
 caggtccgga agactatgca cccaagcacc aaacttccan ccagagagag 50  
 agaggtctct cgataacaaa aatccttgct tctctgtct gtgactttac 100  
 acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150  
 actacclccc aactctcttg acttttatgt tattgaaaaa acaaaacaaac 200  
 aaaaactcct ttatgatgnt attcaacttg agtgggggttt tttttccac 250  
 ttctgtcttg gatataatga aatgatacat attaggataa attttcactg 300  
 tgtatagtag caatacgaac acacatgcc aatgtatcaac atatctactt 350  
 gggtacattt tggtttatga taatcgann 379

<210> 21  
 <211> 408  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 102, 153, 167, 230, 251  
 <223> unknown base

<400> 21  
 tggaaataact ggaaatttat tggatccagg ttccacattg gcagtttgga 50  
 aactactacc aaaaagattt caccaattta caactccatc attagtaaga 100  
 angctgttt gccatagtc tgccaacctg aaccttaaa aatttttgcc 150  
 aancctggtag gcaaaantct tcttttctt tgaatattaa tgaggaggaa 200  
 catcttttca tgtttcttgg ccatttgcac ttcctattat gaattgcttc 250  
 nggccattt tctttttttt aattatgaaa gtctaatgac taccttctca 300  
 ttgtataaaa aacacagttc ttggaataga gagaccttt tctccaatgc 350  
 taccatcac attccactta ccacagttta acatacatcc tctagtcacc 400  
 tttcccca 408

<210> 22  
 <211> 453



<213> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 87, 175, 263, 297-298  
<223> unknown base

<400> 1:  
taggggacta ttggttgcc t aagcatactt nttaacttgt gccattggcc 50  
tttactttta tggagttttc aggaaactat tttatancat ctagttattt 100  
aggtctangta tctctatttta gtggagccctt ttccccctcaa ataatatatt 150  
ttatcatttt tggacttata taaancataa ttaaataaat tttttcttaa 200  
taattgttggga ctttgtatat acaagttcag ataacttttt cgaagatagt 250  
ttcttarata aangtaattt aatttttttt actctcttat acagtttnntt 300  
agatgttaag gaatttagcac aatctctggc agttttataa aagctgttga 350  
agttcttggtc ctgcactgtc tttaggtatc ataggtatca ggtttgcttt 400  
gtgttaattgc cacttcaagt cattatttgg tttctgctat ttttttaact 450  
gag 450

<210> 1:  
<211> 356  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 43, 45, 201-202  
<223> unknown base

<400> 1:  
atcacatat atgtgtgtgt gtgtgtgtgt gtgtatgtat anantnaatc 50  
atttactctc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100  
attaatattg gcttccagtt acttctgata aaatcagtga aggttcttgg 150  
attttgaaat ctcaagtgtg cattgctttt tttagatcct gccaggttac 200  
nnhtttttta ataacatgta caaattcctc tttttcagta tagactattg 250  
taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300  
atatttcccc actccaaagt cctatgtgtt cctttttagt ttaacctgtc 350  
acccac 356

<210> 14  
<211> 408  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 30, 49, 102, 141, 147, 171, 324-325, 339-341

<123> unknown base

<400> 24

accccttgacc caacgggggccc ccccgaccgn ttcattggcca aacgggggnc 50  
tccagctggtt gggcttcatt ctccccttcc tgggatggac cggcgcccat 100  
cctcagcaact ggcctgcccc agtggaggat ttactcctat ncgggnaca 150  
aacctcgtgac cggccaggcc ntgtaacgagg ggcctgtggat gtccctggctg 200  
tccagagaga cccgggcagat ccagtgcata gtctttgact cctttgctga 250  
atctgagcag cacattgcac gcaaccctg ccttgatggg ggttggcacc 300  
ctcttggggag tgatagcaat cttnttggcc accgttgtnn ntgaagtgtc 350  
tgaagtgctt ggaagacgat gaggtgcaga agatgaggat ggcctgcatt 400  
gggggggggga tattttctct tcgaggctct gctattttag ttgccacagt 450  
atggttatggc aatagaatcg ttcaagaatt ctatgacct atgaccca 498

<110> 25

<111> 456

<112> DNA

<113> Homo Sapien

<114>

<115> unsure

<116> 304

<117> unknown base

<400> 25

ctctctctct ctctctctct aaattaacct tgttttgogg taaggagttg 50  
ggggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100  
ctcaacaaaag ttctgaaaat ttgtctgata tgtaattagg tactttaggg 150  
ctattaggtt ctacataaaaa ttctgggttag ggcctcttgc ctgctcccaa 200  
tgaaagacct ctccacaggg aaatataaaa gagagagtag agggaatccc 250  
cttgaggttt aaataagtc aaccagtaag taatagtgt aagtttgtca 300  
ctctctctct ctctctctct tacttaaat ctaaagggca cctcatttat 350  
cttcagctaa ctatgttctt tatgagtgc tgtcaaatca gggaaggggtg 400  
tgagatcat gtggagatac cttttctaata taatagctgc cttgctctct 450  
aagattctga cgaacc 466

<110> 25

<111> 409

<112> DNA

<113> Homo Sapien

<114>

<115> unsure

<116> 30, 36, 68, 77, 119, 235, 248, 250-252

<117> unknown base

<400> 16  
 cttcttgaca ctgccctttc ccttcccccn tcccancttg ccgcacccat 50  
 gccgaggggg gtgcccangt cccaccntac ttgaaaaatg ttgccagcc 100  
 agtcttcttg gcccatgtnc gcagggggcag aagtgggtgcc acaggtaacta 150  
 ccgacgaggac ctgacaatac ctgaaattcc caccaaaaggc tggagaactc 200  
 aaacacgagc ttttggggact gaaagaaaaga aaacncaaac ctcaagtntn 250  
 nncacagga ggaacttaaa taactacgtc caagaattct gtgaataata 300  
 taagtcttaa atatgtattt ctaatttat tgcacaaac taattgtct 350  
 taacacatta gtctaattgt aactgcaaga ggaggtgtc agtggatgtt 400  
 taqccaga 409

<210> 17  
 <211> 190  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375  
 <223> unknown base

<400> 17  
 cgtcacacac cctttattt ccttcataac tactcantat gnetatttcc 50  
 ttacacagat gnaagctct gagctcagnc netgaactgtc tttttcaaca 100  
 ctgactagta cataacaggc acccaatant tnnttaattg tggtaaaata 150  
 tacttaacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200  
 atttaatttg ttgtgcaacc atcaccacnn tccatctccg gaactttnta 250  
 tcttcacaag ctaaggctct tggccatta aacaataact tctaattgca 300  
 ccttctcttg tccacctggt tgaaccatcat tctgcaactct atgaatttgg 350  
 ctattttatg tcccccaaat aagtngaact ataccgacc 390

<210> 18  
 <211> 402  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 43, 105, 115, 245-246  
 <223> unknown base

<400> 18  
 tggcatgtgg gcccatttca gtttccctac atgttcccaa aanttattta 50  
 aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100  
 tatantctta gttanatac aaacttcctt ggcacctagg ataagaacat 150  
 ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

agtttgaaaa tatggtggaa aaaatcttcc gcattaaaag ggtenntaaa 250  
 aaacaacccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300  
 aaagaaacaa tcttatttga agcagatgtt gacactgtgt cagttattga 350  
 agacgggaagg agttcacttg agccatttga gttacaaaagg ggtattgata 400  
 ga 402

<210> 23  
 <211> 300  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 20, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287,  
 297  
 <223> unknown base

<400> 14  
 ttgtgcccctg aaatatacaa gggtcctgac caaattaana caggttnacc 50  
 ttgttagagg taaatatgtt ggcattattt attgacattt atgcttcaag 100  
 catgtcttat tntatgtaat ttttaagaaat actntattta antngtgana 150  
 tatacttaaa aqcatactag ttagctntta gantctcact tagggagggg 200  
 aaagaaacat cactgatgac aatatgaaga ttntaaaca aatcctttgt 250  
 ttagaanttt tttctttctg tgcacctcac aacacantta ccctcgnacc 300

<210> 30  
 <211> 540  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 30, 85, 106, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256,  
 268, 343, 373, 443, 496, 531  
 <223> unknown base

<400> 30  
 ggccgggtct ttttaagatc ttgacctgan ccaaagtctc ggggaagggg 50  
 ggggtgcccc ggtggagtgat atgggggatt ttgnttaat gcaagttccc 100  
 ctctcngtgt taangccatt ttcttgcttc agcttttttg agtagnttga 150  
 aanacaggcg ccgcgcaana cacttgnta attttttgta ttttcagtag 200  
 agacgggggt tcacgtgggt ttcaatntcc ngacnttggt atccgcgcgc 250  
 ctnggnttgc caaagtnttg ggattataag cgtgagccac ccgcgcgcgc 300  
 cgagatgttt tgatacagga atgcaatgtg aaataatcag atnatagaca 350  
 atgaggtatc catccctctg aanttttata ctttgtgtta ctaacaatcc 400  
 cgtgaacact tttttagtta ttttaaaatg tataattagt tantactgac 450

tatagtcaac cctggttatgc tgtcaaatata tagatnttat tcattottac 500

tggttttttt gtaactcatta actgtttctca nngccgaacc 540

<110> 31

<111> 158

<112> DNA

<113> Homo Sapien

<120>

<121> unsure

<122> 55, 61, 112, 156, 165

<123> unknown base

<400> 31

gttttttttt tttgaagcga actttttgcta tattgctaag gctagttttg 50

aactcctggg ntcaagcaat actgacctga cctctctaaag tgcttggtatt 100

acagggcatga gntactgcgc ctggacctga atatgtattt taagctactt 150

ttttttttat tccgnacc 168

<210> 31

<211> 534

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 98, 118, 504, 513

<213> unknown base

<400> 31

tgtcgaggcg aatgccccgc gggcggagaa ctggggtccc accgaggagg 50

ctggaggcag gtctgctgtg gttccccctc ccgaactggc agagctgncc 100

ggagctctct gaggtccctc gagagtaccg gaaggagcac cagactacgt 150

gttccccgtc cttctgcggc gcttacctct acaaacaggg ctttgcacac 200

ccccgctcca gcttcttgaa gtttttagctg gtgcctttgt ttggggccat 250

ggctgggctc tctgctgtgc tgtgtgttga ctctggtggg tgcacatgc 300

tgctacctgc tctccagtat ttttggcaaa cagtgggtgg tgtcctactt 350

tcctgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400

gcttgttttt tttcttattg tttttgagac ttttccccat gacaccaaac 450

tggttcctga acctctcggc cccaattctg aacattccca tegtgcagtt 500

cttntttctc gtncttatcg gtttgatccc cgga 534

<110> 33

<111> 361

<112> DNA

<113> Homo Sapien

<400> 33

aaaaaaaaaa aaaactgcct ttcttccctt cagtcaactt ttgtgctcca 50

gaaaattttc tattctgtaa gtctgagcgt aaaacttcag tattaaaata 100  
 atttgtacat gtagagagaa aaatgacttt ttcaaaaata tacaggggca 150  
 gctgocaaat tgatgtatta tatattgttg tttctgttcc ttgaaagaat 200  
 ttttttgggt atttttacat ctaacaaagt aaaaaaatta aaaagagggg 250  
 aagaaaagat tccgggtggga tgattttaac atgcaaaatg tccctggggg 300  
 tttctttttt gcttgctttc tttctcttta ccttaacccc cactcaacaa 350  
 cacacacaca c 361

<L10> 34  
 <L11> 513  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure  
 <L22> 25, 81, 107, 357  
 <L23> unknown base

<400> 34  
 acccggaatt agggaggcga ggtgngcaat gtcttaaccc cgggctcaac 50  
 cagtcctcgg gcttctgctt cccaaagggt ngggattgac aggcctggagc 100  
 ccattgngcc cagtcctatt tatagtttla aaaaaacaaa accaaaaggc 150  
 taataaatgg cacccttttg caagctcttc cccctccttt tctttttcct 200  
 tcccagtgtc tctactttct ctgaactagt tgacagcatt atacttttgg 250  
 atgttggtag catgtataaa gtacattatt acataaagaag ttaatatatac 300  
 ataatagttt caagggtttt gccacttaat tataactaagt taactaacct 350  
 ctcaatnctt tatctgtaga ttttgttttt gataggggtg gatagtaata 400  
 gtaactacaa gggttcacaa ggttggtgaaa ttgaatgaga aatacatggc 450  
 actttaacaa gtcactatgg attatttaat tttttttctt cttctctctg 500  
 tcttctctct ccc 513

<L10> 35  
 <L11> 445  
 <L12> DNA  
 <L13> Homo Sapien

<400> 35  
 actatggtaa atagttatac tgtattgggt taggaaataa tggccatttt 50  
 taaaagtcctg tacatgttca gtacagacac agtctttttg aagtattttt 100  
 tatccctcct ttgttgaatc ccatggatgc agaaccatgg atatgaaggg 150  
 ctgactatat tctcacagtt atattcaagt tgtattttga atgattttat 200  
 gacaatcttt taccaaaggg ccaactgtat tctcatgttt attattcaag 250

ttgtatgaca atttcatatc agccccccag agagttggca tttggattga 300  
aatcatactg agtctctaga ttaatttagg gagaagtga acctttataa 350  
ttttgaatct tccatcccat gtatatgoga gtgttttgta tttcagtggc 400  
attttcaaat tttcttcagg taggtctctt agtgtttatt ccoga 445

<210> 36

<211> 525

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 25, 50, 50, 123, 127, 370, 395, 397-398, 402-403, 405-407

<213> unknown base

<400> 30

atttctcctt cctggatgga tgcctccacc gtcacattgc cttccccan 50  
tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100  
ttatcggagg gctttggatg tcttgctgt cgcagagcac cgggcagatc 150  
ccagtgcataa gtctttgact ccttgctgaa tctgagcagc acattgcaag 200  
caacccctgc ctgatgggg ttggcatcct cctgggagtg atagcaacct 250  
ttgtggccac cgttggcatg aagtgtatga agtgcttgga agatgatgag 300  
gtgcacgaag atgaggatgg ctgtcattgg gggcgcgata tttcttgatg 350  
cagttctggc tatttcagtn gccacagcat ggtatggcaa tagantnntt 400  
cnnnnntct atgacctat gacccagtc aatgccaggt aagaatttgg 450  
tcaggctctc ttcactggct gggtctgtgc tctctctgc cttctgggag 500  
gtgcttact ttgtgttcc tgcacc 525

<210> 37

<211> 375

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 230

<213> unknown base

<400> 37

tttttttct tgtttaagct gactcttgc tctaattttg gaaaaaaga 50  
aatgtgaagg gtcaactcc acgtatgtgg tctctgtga aagttgcaca 100  
gggtggcttt tctaaaactg gtgttttcc cccgcatttg gtggattttt 150  
tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200  
tatctgggtt aagtgttan catatatg ggtactttgt aatatctaaa 250  
aacttagaaa cggaaatgga atctgtctca caaaatcact ttaagatctt 300

ttcgaagctg ttaatttttc ttagtggtgt ggacactgca gaattgtcca 350  
gtgctcaccac ggctgttagc gacac 375

<210> 34  
<211> 403  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25, 64, 159  
<223> unknown base

<400> 34  
ccttaacttgg aggtggagac tatggagntg atcggatggg cccggggcag 50  
acatttcact tggngctgtt ctctgtatag tgaataaggc tcaccagatc 100  
agggttcaaaa gtggttagcc tcccattct ctctcttctt catccagcca 150  
tgtaagacnt gccctgcttc cctccacctt ctgccagggt tgtaagtttt 200  
ctgaggcttc ccagccatgc ttcctgtac agcctgtaga accatgagcc 250  
aatfaaacct attttcttca taaattatcc agtctcaggc attcttttat 300  
agcagcttga gagtggacta atagagctag ttattagtag agccaagatt 350  
caaatctagag cttgtctggt ccagagttct actttctcaa accctatggt 400  
aaqctattgt ccacagcatt caacattgtt gaattatctt tgccaactaa 450  
ccttgggaagt cttaaatttt gtctaatcc tgtccctat tcc 493

<210> 38  
<211> 113  
<212> DNA  
<213> Homo Sapien

<400> 38  
tttttttttt tttttcttt tgtactgagc tcagcataga ctaatactac 50  
cttaaatctta aaatctgaat ttcttttttagc attttgctta aaagcaatat 100  
gctatttggc tattccgtgc gaa 123

<210> 40  
<211> 119  
<212> DNA  
<213> Homo Sapien

<400> 40  
tttttttttt tttttcttt tgtactgagc tcagcataga ctaatactac 50  
cttaaatctta aaatctgaat ttcttttttagc attttgctta aaagcaatat 100  
gctatttggc tattccgtg 119

<210> 41  
<211> 303  
<212> DNA  
<213> Homo Sapien



<110>  
<111> unsure  
<112> 23, 61, 91, 144, 238-239, 262, 265-266, 271, 274  
<113> unknown base

<400> 41  
agagcaacgg cagatcccag tncaaagtct ttgaaccttg ctgaatctga 50  
gcagcacatt ncaagcaacc ccttgccctg aagggtggtg ncataccccc 100  
tgggagtgaa tagcaatctt tgtggccacc gttggcatga agtntatgaa 150  
gttccttgaa gacgatgagg tgcagaagat gaggatgggt gtcattgggg 200  
gcacgatatt tctctctgca ggtctggcta ttttagtnc caccagatgg 250  
tatggcaata gnatnntctg nggntcttat gacctatga cccagtcac 300  
tgcaggtac gaatttggtc aggtctctct cactggctgg gctgctgctt 350  
ctctctgctt tctgggaggt gcctacttt gctgttctg tccccgaa 398

<110> 42  
<111> 437  
<112> DNA  
<113> Homo Sapien

<110>  
<111> unsure  
<112> 87, 97  
<113> unknown base

<400> 42  
aggtatgcct taacaaaaag tctctctctt gtaacctctt tcacccaatc 50  
tacaactagg ttttttggtt ggaattttat tattagntac caaacanggt 100  
aacatcttta catgcacgat tccaaagata ccttagaaga ggcagagggc 150  
tgcacttctt ctctctcact ttgcattccc tcttaagaaa tacttgcccc 200  
taactcacaag ggcagaagga gtccaggggt ctctcagcat taaaattctc 250  
tatagtttct tgggagaggg acatgttctg agtgtgagga gaactgttct 300  
ggttatctgt tataaattgt tttcatcttc tatttcttat aacagattat 350  
aaatttatgt tttctgatgc ttcatactat tatgaggatt ttggttgcaa 400  
attatcttac aataaccacc catatattca tgcattgg 437

<110> 43  
<111> 499  
<112> DNA  
<113> Homo Sapien

<110>  
<111> unsure  
<112> 24, 81, 93, 150, 340  
<113> unknown base

<400> 43  
ccaccaagag cctgaaggca gtctctgtgt tccccttcct aactggcaga 50

gctgcgggag ctctctgagg tccttcgaga ntaccggaag gancaccagg 100  
 cctacgtgtt cctgctcttc tgggggcgcct acctctacaa acagggcttn 150  
 gccatccccg gctccagctt cctgaatgtt ttagctgggtg ctgttttggg 200  
 ccatggctgg ggctctctgt gtgctgtgtg ttgaacctgg tgggtgccac 250  
 atgctgctac ctgctctcca gtatttttgg caaacagttg gtgggtgctct 300  
 actttctga taaagtggcc ctgctgcaga gaaaggtggn ggagaacaga 350  
 aacagcttgt ttttttctt attgtttttg agacttttcc ccatgacacc 400  
 aaactgggtc ttgaacctct cggccccaat tetgaacatt cccatcgtgc 450  
 agttctctct ctacgtctct atcggtttga tcccatataa tttcatcga 499

<210> 44  
 <211> 494  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 22, 37  
 <223> unknown base

<400> 44  
 ggggtttcca ggactcccc cnacccccgg ccactcnact ggtggaaatg 50  
 cctctgcccc atagaacttg tgtcctaacc ctggtttagg acttctcatt 100  
 tactgcagat attggtacac ataggtagtg ggcggtgccc tgagagagac 150  
 cacttgggtac ttcttttctt atctcaaagg tgccttcagtc tttgtgcaca 200  
 ggggcatgctc agaagcgtgc cttcttttcag ggagactggc catgcgcctg 250  
 agttagatga taacatggag gttcatcaca cgtgtcttac ttgagtgtgt 300  
 ttttgggaatt ctccataata aaaagttaaa aaatacaatt gataggtaag 350  
 agtaattgaa gtagtctcaa attggtttagc tataaaatgc aactatgaag 400  
 aggattgtag gtaattaaaa tactaagatt gtattgagga gaaatatatt 450  
 atttagaaca atacctgtga catggcatta gtgacaaata tgac 494

<210> 45  
 <211> 561  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 28, 35, 73, 88, 153, 198, 292  
 <223> unknown base

<400> 45  
 ttccagagcca gaagggcctc gagctgcnag ccccntggaa tgaagcaggc 50  
 ctgggctgag gctggaaggg aancctctct aagctggncc gggggcggga 100

aaacttacca ccaggggaact cgagatgggg aaggaaaggt cagaaagagg 150  
 agnaggccca ggcaagggtt gtgggggggc tgcagagctg gagccagntg 200  
 ctccggccag agccaggcat gcacactcag agtaggtggc ctgtgccacc 250  
 ggggaagagg gggggggtgg cgtgtgtgtg aagatggcag gnagctggcg 300  
 gctgtgtgtg tgggtgtgtg aaggtgtgtt gagaagcact tacaaaaaga 350  
 aatggactgt gttaggattg cacatcttac ttgtttctc ccaaatacgt 400  
 tctcttgaa tctcttctct tccaggccca ggaatggagt gatggttgag 450  
 acaggcaagg actgggtctt gtctgcattt acattttgag atttgttca 500  
 gcatggattt tatgggtttt tttgtttgt ttgtttgtt gtttcaaaa 550  
 tactgcacgg a 561

<110> 46  
 <111> 511  
 <112> DNA  
 <113> Homo Sapien

<200>  
 <210> unsure  
 <211> 9, 25, 43-72, 178, 180, 355-356  
 <212> unknown base

<400> 46  
 ccagatttng tctctctctt ttttaaaaa aagaaaaaaa aannnnnnnn 50  
 nnnnnnnnnn nnnnnnnnnn nntccttgg gtgtgggtgt atcaccttga 100  
 cctcaggtct ttgtgtattt ggcctctctg cttttgggca ccttgacctc 150  
 aggtctttgt gctattggcc tctctgentn cgggcaacct gacctcaggt 200  
 ctttgtgtgt ttgcctctct tgccttgggc accttgacct caggtctttg 250  
 tgtgtgtgtc cctctctgct tgggcaacct gacctcaggt ctttgtgcta 300  
 ttgcctcttc tgccttgggc accttgacct caggtctttg tgcgtttgct 350  
 ctctnnctt tgggcaacct gacctcaggt ctttgtgtgt ttgcctctgt 400  
 tgccttgggc actctctctc agacctgtgc atcacattcc ctctcttcag 450  
 ctctctgtct aaatgtcacc tcttctctga catcttctct gacctctcta 500  
 gccaaaaatac c 511

<110> 47  
 <111> 470  
 <112> DNA  
 <113> Homo Sapien

<200>  
 <210> unsure  
 <211> 113, 450  
 <212> unknown base

<400> 47

cgcgcctagcc ctctgtgatt tcataatgct ggaagtatgc ttttttaaaa 50  
 agtttaaaatt cttgcccatt tttactgtag cgggaataaa tacatgctag 100  
 tattctgaga gtnttatgaa actagacata aaacaagtta aaattaatgg 150  
 ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200  
 cccagaaat gtcactgata ttaagcaagc tgagttattt cgggggttga 250  
 atccatgaag aatgataaat gttttctcat catacttatt cttagaatgt 300  
 tgtgataatt ttgatatttc agttactcgt ctttaaaagg ggagtgcctt 350  
 cccctggggc ttgctaaga gaagaaagaa agactatatt aagacagaaa 400  
 acatgggat tttaaagaga cgaatacaat gctatgtgaa ataccagttt 450  
 tactcagtaa actccctoga 470

<210> 48  
 <211> 543  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 45, 65-66, 30, 144  
 <223> unknown base

<400> 48  
 ggcaggcctaa agaagaagct caggctgaaa tgaaccgtac cgcctnccga 50  
 gggagaaaaga attcnnggcc aaggaaagctn cggcattggg atcccttggc 100  
 agttgcagcc actgaagtgg agaaggagac ccaggagaag atgnccctct 150  
 ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200  
 ttgtctgtg acattgggcc agaatccctg aaaactaccg cataaatgga 250  
 tagaagagag aagcacctgt gctgtggagt ggcatttttag atgcctccac 300  
 gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350  
 tcaatccat atattatata ataggctctt ccactttttg gagagtagca 400  
 aatctagctt tttgtacag acttagaaat tatctaaaga tttcatcttt 450  
 ttactcata tttcttagga atttaatggg tatatgttgt ctttttttcc 500  
 tatctctttt ggctcaagca acatgtatat cagtgttgac cga 543

<210> 49  
 <211> 485  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 14, 484  
 <223> unknown base

<400> 49

gggacgcttg ggengcgcca ggggcacagc ctagtcggtc tggtaagtgc 50  
 ctagatgcga gttccgtctc tgggtctctt cctgggtccc aggcacagcg 100  
 gagcggagat cctcaaacgg cctagtgcct cggccttcgg gagaaaatca 150  
 cgggtctaat taattccctc ggtttggtga agcagttacc aagaatcttc 200  
 aacctcttc cacaacagct aattgagtae acgttccgtg tgagtacacg 250  
 tccctggtga ttacacaaag gtgcaggtat gacaggtct gaagactaac 300  
 attttgtgaa gtgtacaaac agaaaacctg ttagaaatgt ggtgggttca 350  
 gaaaggcttc agtttccctc cttcagcctt tgaattttgg acatctgctg 400  
 cttccatatt tccatcatt actgcagtaa cactccacca tatagacccg 450  
 gctttacctt atattcagtg cactggtaaa gtanc 485

<210> 50  
 <211> 525  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 255, 319-334  
 <223> unknown base

<400> 50  
 catggttggt cgcacactgta gtcccaggta cttgagaggg tgaggtggga 50  
 ccatcatctt aaccccgggg agatggaggg taaatgagc tgtgttcaca 100  
 ccactgtacc ccagcctggg caacagaata agacgtctgt tcaaacacaaa 150  
 atgtgttaact caaaaacagc aaaatgctta gttcttttga aatgcacat 200  
 tttagggtac tgtttatttg ccaatagaac tttttttct ctctctctcc 250  
 ttaintgtaa acttagctat ataggtttct cactcttggg tctgtgtaet 300  
 tcaaacctct ttagaaatnn nnnnnnnnnn nnnnaaaaaa aaaaatggaa 350  
 taatacaaaa ttatactaag attcattcat gttattttct gtggctgcag 400  
 tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattt 450  
 atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500  
 aaaaagtctg ctgtaaaaat tatta 525

<210> 51  
 <211> 150  
 <212> DNA  
 <213> Homo Sapien

<400> 51  
 tttttttttt ttttttttgt ttgttggtgt tgtagtagtc tgggtgctggc 50  
 cacatttaag tottaaaaaa ttttaaattt tgttggtgat gtttgtagac 100  
 agccctgttg ttgaaatcat ggttttatte attttattta ttttcgaacc 150

<210> 52  
<211> 179  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 43, 133, 162  
<223> unknown base

<400> 52  
tttaattagtt attcgtctctc tgttgatatag ncattttaagt tgnttatatg 50  
ttctgtgtat taaccttttg tcccaggtat gatttgcaaa tattttctcc 100  
catttttttc cagttgtctc attttgttga ttntatcaga ttccatgaag 150  
cagcttttta anttcaagaa aaacgaatc 179

<210> 53  
<211> 324  
<212> DNA  
<213> Homo Sapien

<400> 53  
tgggaagtcac ttgaggagcg tcagaagcgg ctccctacg tcccagagcc 50  
ctattacccg gaattctggat gggaccgctc cgggagctgt ttggcacaaga 100  
tgaacagcag agaatttcaa aggaccttgc taatatctgt aagaaggcag 150  
ctacagcagg catcattggc tgggtgtatg ggggaataac agcttttatt 200  
catgctaaac aacaatacat tgagcagagc caggcagaaa tttatcataa 250  
ccggtttgat gctgtgcaat ctgcacatcg tgetgcacaa cgaggcttca 300  
ttcgttcatg gctggcgccg aacc 324

<210> 54  
<211> 391  
<212> DNA  
<213> Homo Sapien

<400> 54  
cccaactcaga tctactgaaa ctgaaaacct gggagcaggg ccagcaatc 50  
aagagttttt aacaaacct cctggtcatt ttgatgcaca cgcaagtttg 100  
agaacctgtg ccttttagga ggatttcctt ttctcacta aaagccccct 150  
gaaagatgcc tccaggggat gcctctgtgc cctactgccc actgttgett 200  
tccctgtttc taggaatccc ctttatgaag taccatcct ccagaaagat 250  
ttcttaccta ccttgaaagg atcttggctt ctccacaagg ttactccatc 300  
ctctgagcag ttatttccga ttctactttt gaatggcttc ttttcagatc 350  
ttcttcagtg cttttctttt ctggctaccc ctcaagcccg a 391

<210> 55  
<211> 280

<212> DNA  
<213> Homo Sapien

<400> 5'  
atatatatat aaatatagaa atatatatat agaaatatat atatattctt 50  
cttccatctcc aaaagcaaga ttacaaattt cagttgaggg taatagcact 100  
tcaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150  
caattcrgtt actaaagaat caggtgtcat taaaggtgaa catgggtacc 200  
tttaacctct gcacagcagt ttttcataata cttgaagaca ttaaatcccc 250  
tttcccatcc aacttaattc tttccagcga 280

<210> 5'  
<211> 485  
<212> DNA  
<213> Homo Sapien

<400> 5'  
cggaacggtg ggaggacgag tgggtggcct tagagtagtt ttttgagcat 50  
ttatgtgtgt tgggtgtctc tgaacttctc tagatctgtg gtttggtgtc 100  
tgcacataat ttggataaat tttcagtcac tgttggtttta aatatttctt 150  
ctcttctctt ctcttctctt tggacttct atgtgtttat attacacctt 200  
ttgtacctgt cccagagttc ttgggtatta tcttctgttt ttttttgggc 250  
ctttcttttt tcccttgggt tttcagtttg tattgataca tctttaagct 300  
cagagattat tctttttttc aggggtgtcc actctcttaa tgagcccatc 350  
agtgggcatc ttcatttctg tcaccatgct ttgctctctg gcacttcttt 400  
tcaatttttt cttagaattc ctatctccct gtcctgctg cccacctgtt 450  
cttgcaagct gcttacttct tccattagag tcttt 485

<210> 57  
<211> 250  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 24, 42, 53, 93  
<213> unknown base

<400> 57  
tgggtgtcttt ccacccacag ccngagagt cagtcatttt tncaaagaag 50  
ccttggttgg ctttgtggag aatgatatat gtattattta ttntccgcag 100  
ccaacatgac cgtctctctg gtgtctttcc caccacagcc cgagagtcag 150  
tcattttttc aagaagcctg gttggctttg tggagaatga tatatgttat 200  
tattattttt tgttttggtt tgttgtgttt tttagacagt ctctctcttt 250  
gcccagccga 260

<210> 58  
<211> 344  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 17, 66, 76, 92, 148, 174, 178  
<223> unknown base

<400> 58  
ggagtaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50  
acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100  
cccaga!cta ctttcaaagt gagattttca cttgtcagct taaatttntg 150  
actagaaeta acatttgtgt attnttgngc ttagteggaa tacaaatttc 200  
acaatgggatt tttgaagttt gtccctaaat tggataaaat caagtgatta 250  
aagttantaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300  
gttgtgatta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59  
<211> 495  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 30, 58, 130, 234, 314, 364, 427, 450, 461, 476  
<223> unknown base

<400> 59  
agcaatgccc tgccccagc ggaggattaa ttccatgnt ggggacaaca 50  
ttgtga!ngc ccaggccatg tacggggggc tgtggatgtc ctgegtgtcg 100  
cagagccacg ggcagatcca gtgcaaagtn tttgactcct tgcctgaattt 150  
gagcagacaa ttgcaagcaa cccgtgcctt gatgggtggtt ggcattcttc 200  
tgggagtgat agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250  
tgccttgaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300  
cggcatattt cttnttgcag gtctggctat tttagttgcc acagcatggt 350  
atggcattag aatngttcaa gaattttatg accctatgac cccagtcaat 400  
ggcaggtaacg aatttggtea ggctttnttc actggctggg ctgctgcttn 450  
ttcttgcttt ntgggaggtg cccatnttg ctgttctgc gaacc 495

<210> 60  
<211> 256  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure



<222> 37, 56, 116, 190, 210  
<223> unknown base

<400> 50  
aaatgttcag aggcgaagtgt ccagagtttt getatanatt cattatggaa 50  
gggttnacct tattgaaatg acagttcccc accttttagca ttttatattg 100  
tttcattaac tgtcanacaa acatttcctgc aaaatatcag ttcaggaacc 150  
aaacttaactt tccctgagat ggtaacgggt tcacagcctn tcatattgct 200  
gcttcattan gtgatgaagt ctaaaacagt aaatggtgac cagttaaaaa 250  
atcacacctgc cgaacc 266

<210> 61  
<211> 421  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314  
<223> unknown base

<400> 61  
ccnangggtc cgggtttttt gnatttttag tagagacggg gtttcaccat 50  
gcaagcccag ctggcccagt aggtttttaa gcaagggggc tgaagaaggc 100  
acagtgaggt atgtgggtgt tctcgtggta gttcattcgg cntaaanaga 150  
cctggcatta aatttcacaga aggatttgge atattntttt cctgacennn 200  
ctctntaaag ggtaaaatat caatgittag aatgacaaaag atgaattatt 250  
acaataaactn tgatgtacac agagtgaac atacacacat acacentaat 300  
cacaanqttg gggnaaaatg tatttggtt tgttccttct atcctgtctg 350  
tgttatgtgg gtggagatgg ttttcattct ttcattaatg ttttgttta 400  
tcctttgtat ctgaacgaac c 421

<210> 61  
<211> 390  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 35, 37, 79, 81, 98, 155, 162, 170  
<223> unknown base

<400> 62  
agagacgggg tttcaccatg caagcccagc tggcnangta ggttttaaa 50  
caagggggct gaagaaggca cagtggagga tgtgggtgtt ntctgggag 100  
ttcattcggc ctaaaatagac ctggcattaa atttcaagaa ggatttgga 150  
ttttntcttc tngacccctn tttttaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaattt gatgtacaa gactgaaaca 250  
 cacacacata caccctaato aaaaacgttgg ggaaaaatgt atttggtttt 300  
 gttccctttca tccgtgtgtg gttatgtggg tggagatggt tttoattott 350  
 tcattaactgt ttgtttttat cctttgtatc tgaacgaacc 390

<210> 53  
 <211> 448  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25, 51, 77, 80, 93, 147, 175-176, 234  
 <223> unknown base

<400> 53  
 tctttataga tctttgactt gaccnaaggg tccgcaaagg gttcgggttt 50  
 tttgtatttt nagtagagag ggggttttactn atgcaagcga agntggcaaa 100  
 gtaaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnggc 150  
 tggtttcgtg gtatgttcatt cggcnnaaat agacotggga tttaaatttca 200  
 agaaggattt ggcatttttt tttcttgacc cttnctcttta aagggtaaaa 250  
 tattaatggt tagaatgaca aagatgaatt attacaataa atttgatgta 300  
 cacagantga aacatacaca catacaccct aatcaaaaag ttgggggaaaa 350  
 atgtatttgg ttttgttccct ttcattcctgt ctgtgttatg tgggtggaga 400  
 tgggtttcat tctttcatta ctgttttggc ttatcctttg tatctgaa 448

<410> 54  
 <411> 245  
 <412> DNA  
 <413> Homo Sapien

<420>  
 <421> unsure  
 <422> 75, 114, 120, 122, 184, 205  
 <423> unknown base

<400> 54  
 ggtgtggtgt gtgtgtgtgt gtgtatgtgt atatatatat acatatatat 50  
 acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100  
 atttatagat tatntgattn tntatgtgga aagagaaaaa aatcatatta 150  
 agtactttgg actgaacaat gacccccaaa attngtatga tgatgaagct 200  
 cctctnaaat attttcttgc tttactggac tgattttaac ccgct 245

<410> 55  
 <411> 281  
 <412> DNA  
 <413> Homo Sapien

<420>

<221> unsure  
<222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361  
<223> unknown base

<400> 65  
aggatccag gttggtagag naatcccggc cgggtttccca gagatgttta 50  
atagacact gcttntgaga cttcggtttn tgttccagca acctgggttg 100  
ggaggtaga cttganacac ttccaggttg ggagtggacc caccocaggg 150  
ccttntcagg acagagcagc caggccgctn tggctaantt tgcagttggc 200  
cttgggttgg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250  
gtttccctgc ttgtccagtt gtgagctgtc ctccggtgta ccgaggtctg 300  
ccatagagag tggagatttt tgatgaaagg tgtgctcctt ntctgccttc 350  
tactttctct ttcctccctg ttctgccttc c 381

<10> 67  
<11> 3.1  
<12> DNA  
<13> Homo Sapien

<220>  
<221> unsure  
<222> 29, 36, 144, 146, 161, 170, 205, 210, 213  
<223> unknown base

<400> 67  
cttctaaaat attggtgagt tctaaaacga tcttngtat atctcataca 50  
tctctaaatct taaatttttg ttctaaaaca accaaaaatg gagcatacat 100  
ttcagctggc atttgttgca tattattaaa caaatgaaac tgantntttt 150  
ttctctctga ngcagattan atcccatctt aatcttttcc ctctctctct 200  
ttctnactn acttcagagt atctgtaac agctgtccct atagttttca 250  
aggctaaatga taataatgag attacttctt ctctcctctg tttttttttt 300  
cggaggtatgg ggaaaccaca c 321

<10> 67  
<11> 123  
<12> DNA  
<13> Homo Sapien

<220>  
<221> unsure  
<222> 52, 75, 100, 110  
<223> unknown base

<400> 67  
ctctctgaat attcaggagg gagaagcaat cgcctccagga cagagacggg 50  
ganatccag ggcagggta caggntttag caatatccat cttggggtan 100  
tccctcctn acaacaacca gac 123

<210> 68

<11> 521  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507  
<23> unknown base

<400> 60  
aaatgacta taaataagtt ggtttgggan attattattt ttttagcatt 50  
atttttataa tagatnatgg ttnatatata attggaattc cataatntaa 100  
tgtactgata ggtaanttgt gtggaaattg tttngcagac ataaattact 150  
aaataaattgt tctgttttca gatagttag tntttgngac attaagtatt 200  
gggacagatt gttttgactc caattaatat tctgaaattt ttctccttcc 250  
attacctacc tntccattat gcttcagttg taacgggtgag taaaactatt 300  
tttgtgtctc atactttctt tatctttaaa ctttgtttta cacagtaatt 350  
attttcaacc attntttgct aactgcacct cgtgcacatg ttcttctctg 400  
tgtctccaca accagccgoc acattttacc anagtctccc agtggtccatg 450  
ggcctttcc acccttgtct caaaatntcc ctattgattt tattttgctt 500  
tgtttantcc cttcaaacgc c 521

<10> 69  
<11> 382  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 30, 155, 170  
<23> unknown base

<400> 60  
agagacgggg tttcaccatg caagcccagn tggccaagta ggttttaaaag 50  
caagggggcgt gaagaaggca cagtgaggtg tgtggctgtt ctctgggtag 100  
ttcatttggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150  
tttnttttc ttgaccttn tcttttaaagg gtaaaatatt aatgtttaga 200  
atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250  
cacacacata caccctaata aaaacgttgg ggaaaaatgt atttggtttt 300  
gttcttttca tctgtctgt gttatgtggg tggagatggt tttcattctt 350  
tcattactgt tttgttttat cctttgtatc tg 382

<10> 70  
<11> 405  
<12> DNA  
<13> Homo Sapien

<220>

<221> unsure

<222> 35, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321

<223> unknown base

<400> 71

acacacatgc agtgagggtcg gggattcccc aantggatcc atngcaccag 50  
gttcaacnta aacccccaaagg cagtttttttc ttccaaaasa ttaacagnta 100  
aggtcttctgt tggggccaatt tntentacca agtttaaatt aaccaacatt 150  
tttcttttaa aacccaaaaca caaggaagac taaccacgtg ntccaggaa 200  
tgggtcttat ttacccaacc actttntata cntntttttc aacccaaagt 250  
nttaatttgg gaattatcct caaccagatc etaatactgt cagtagctgt 300  
ccttctgttc adagcagacc ntccagctg ccgtgagctg taccagtttt 350  
tggactacag agpggagatg caacaatact ttacttaaca tactcatata 400  
gaaag 405

<10> 71

<11> 506

<12> DNA

<13> Homo Sapien

<20>

<21> unsure

<22> 28, 44, 54, 143, 244, 351, 504

<23> unknown base

<400> 71

gttcaggacc aaggggtaag aaggcntgag gacccaggcc ccantggage 50  
agtttgtcct tatgcagaat caagggcgaa catgggtgaa agacgagtaa 100  
ggggcacaatc acagaatatt ccacagcgcc ctccagagtt acntggggag 150  
gacccaggcc acagccact gcccccaggg ccagagtgtc agtaaaggat 200  
aacccaggact cgttgggaga gatggattct gtcttcagca acantccaca 250  
ggaacaaaggg gtatcaggtc ccccttttta tcagcggtaa aaatgcattt 300  
acaacccttc atttaacaga aaaacacaga ccgttttaac ctttttattt 350  
ntgtcccca ctgcatgaac atttatacaa ttttaaaaat acttctcat 400  
aggatgcttt ggcccttcac ctatttaac atagctacat acctattttt 450  
cataagtagc agtacacatt caaaggggta ttcttagctc aatgcttggt 500  
gttttagttc aactttttac ctgcag 526

<10> 71

<11> 356

<12> DNA

<13> Homo Sapien

<20>

<21> unsure

<22> 24, 274, 348  
<23> unknown base

<400> 72  
tagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50  
taggggaaaa gtcagccatt taccagaaat tatcttattt tgattttaaa 100  
aactcatttc tatatgtagt tattgtaatg tctatTTTT tagacttaaa 150  
gatttataga agactatagt tatctgattt gttatttggc attttttcat 200  
tctgtaaatc ttgcttatg gcacattgtg ctctctgttt tocatggttt 250  
raticattta tctctccta ttngagggg acaacatggg tagttaaatc 300  
tttgtcaata gtattggaga taacactaac tgcattatc ataacatntt 350  
aattttact gcatgc 366

<10> 73  
<11> 634  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 10, 59, 62  
<23> unknown base

<400> 73  
agactgaatn caattgtaat ggtgaccact gaaagctgca gagggacagt 50  
aggtatttna tnaaatgctt tatatggcat tctatatgaa gaacctctga 100  
acccaaagta tattatttag aaagaaagat aaagagatat aagcaaagta 150  
agactatata ttaaaagtat cttataaacc attaacttat agtggttaaga 200  
taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250  
ctgtgcacct aacttaggga tacataataa ggtggactct gtattagtag 300  
taagtatttt tataaaataa tacttagaac aaattatata agataattat 350  
aatattlaag atctttatat tgcattgctt ctgacttaaa aatgaataa 400  
ataaatgggg tcttgctatg ttaccaggc tggaatgcag tggctattta 450  
caggcacaat catagtgcac tacagcccca aactcctggg ctgagcaat 500  
ctgtgtgccc agctccag gtagctggga ctatatataa gcaggcacca 550  
ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600  
caagttata cacaatctcc taccctacc tcag 634

<20> 74  
<21> 493  
<22> DNA  
<23> Homo Sapien

<20>  
<21> unsure

<222> 31, 42, 60, 114  
<223> unknown base

<400> 74  
atgggaaccca gttgggaaacc actcttccacg nttattttatc cngggggaact 50  
tcctcccaach tagccaaggc ttcggttgag ttctcactcc aaaggtggga 100  
actgggaacat gggnacactt ggacacggat ggggaactca cacacccggc 150  
ctgtcttggg gtggcggttag ggcgtagcga tagcatagga gatacaccta 200  
atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgt 250  
tggacacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300  
ataaaaattt taaaaatttt aaaaaataa aaaaatcact ggggtaaagt 350  
aataaagtat tttactgggt ctaagattgt ttttcagaga gaaaaacaat 400  
agaagtgtag aagcaattcg ataaagaaag gagtcttttc aacaaatgtt 450  
gctgcaacag tcaaatgtct gcatgcacaa aaatgaacct cca 493

<210> 75  
<211> 255  
<212> DNA  
<213> Homo Sapien

<400> 75  
tgggaaaaaaa aaaaaaaagc cctttttcag tttgtgcac tgtgtatgg 50  
ccctgttagat tgatgcagat tttctgaaat gaaatgtttg ttcagaagag 100  
atctatacgg taaagcagga atgacaaaagc ttgctttctt ggtatgttct 150  
agggtgtattg tgactttttc tgttatatta attgcaata taagtaaata 200  
tagattatat atgtatagtg tttcacaaaag cttagacctt taccttcag 250  
ccac 355

<210> 76  
<211> 627  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583  
<223> unknown base

<400> 76  
tttaggggttc cttgaacttgn accaagggtt cgggggaaatt taaaggntta 50  
aggaangggga ggaaangttt cttaaaattg gaattaacag taataatttt 100  
tggaaaatcc aataaaaattg gcaaaagatt gggaaatttt ggangaataa 150  
gggaaaacaga tanttttong ggtattcagg taaagtttaa aaaaggtttt 200  
aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250  
gttttaacag atatacaata tggatgaact atatacaaat gaonttaaaa 300

tatattaaat tcattatagt agttatatatt aagtaaaata tgatgaaatt 350  
 taatagagat tcaatentcc caaaaagcacc ttcattggaag attentcatt 400  
 aacaggcagc ccccttagtat gctgatttat acaaaatgct gaaaagaaga 450  
 gaaatacccc aagttcttga aaaaaaatit tttagatatga ctactctaac 500  
 agtaataaact ataaatctca ctttaaataa tttaaaaaaa attaaagtga 550  
 tatatgagtt aaatgaccaa gcagacttga ttntaggaat gtttaaggaa 600  
 gtccattatt tgttttggat aatgaag 627

<210> 77

<211> 507

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 58, 60, 98, 107, 116, 240, 276, 432, 500, 502

<223> unknown base

<400> 77

tttgaaaagt ttaaaaggga ggaagtgggt ttatgatit ggccgtttcc 50  
 gggtgccttn cagagagttc ctgcccctcc ctgcccctga aggtgacttg 100  
 tggccctttt ggtgntgat ggactgtgt tcccacctg gttcaaaaag 150  
 caangaaaag ggagtgggtat cagaaaaatgg aagaagagag taaagaagac 200  
 agtgcctgggt tgagagaagg agtggcttca ggtaaaaggn tactgcagc 250  
 gatatggagc ggagacagag aaatgntaga agaggggggt tcccacaaa 300  
 aggcaccacc cacaagcctg gacacctgtg gccctaatg agaacaggca 350  
 tctctgtttt tgcacccaaa aagtgggttt ttggtatgcc acacccctta 400  
 tctataccc atataaacc tgaaccccag gntccagctc agaccagcag 450  
 aggaggagac gagacaagca gacaatgcag aacagtgcag cagagagaan 500  
 tngagag 507

<210> 78

<211> 478

<212> DNA

<213> Homo Sapien

<400> 73

ccacgggtgc cgttcttcgc cgggggggag ctgtcccaga ggccggaggga 50  
 gcccgagggg cggagacccc gcatgaatca ttgtagtcaa tcattttcca 100  
 gttctcagcc gttcagttgt gatcaaggga cactgggttt ccgaactgcc 150  
 agctcagaat aggaaaataa cttgggattt tatattggaa gacatggatc 200  
 ttgtgcctaa cgagatcagc atttatgaa aactttcaga gactgttgat 250



ttggtqagac agacgggcca tcagtgtggc atgtcagaga aggaattga 300  
 aaaatttata agacagctgc tggaaaagaa tgaacctcag agaccccccc 350  
 cgcagtatcc tctcttata gttgtgtata aggttctcgc aaccttggga 400  
 ttaattctgc tcactgcta ctttgtgatt caaccttca gccatttagc 450  
 aactgagcca gtgctttgtg gagctcac 478

<110> 79  
 <111> 637  
 <112> DNA  
 <113> Homo Sapien

<200>  
 <210> unsure  
 <220> 17, 54, 56, 113, 124, 150, 163, 165, 170, 179, 204, 259, 299,  
 332, 384, 487, 634  
 <230> unknown base

<400> 79  
 gtttgtccct ttttcngtt tttttggac aaattcagta taccaagcaa 50  
 caaaattcc agtttnggtg gattccggg gtcttttggg atctttgaat 100  
 tgaacaaggg tctggccctt ttcttngggg acgtttgtaa gttttgggca 150  
 gtttccgggn gantngggan tgggtttng ctttctgtgt tccattcgcc 200  
 cgttgcggtg gtgcaggtt tggggctagt catgggtccc cgtttcggag 250  
 accgcagant aaaccagtca ttacttgttt caagagcgtt ctgctaattt 300  
 aacttttat tttctggatc actgggttta tcttcttgc agttgggatt 350  
 tgggggaagg tgagcttggg gaattacttt tntnttttaa atgagaaggc 400  
 caaccaatgt ccttcgtgc tcaattgtac tggtaacctc attattcttt 450  
 tgggcaactt tgggtgttt gtaacctgc gagcttntgc atggatgcta 500  
 aaattgtatg caatgtttct gactctggtt tttttggtcg aactggctgc 550  
 tgaatctgta ggatttgttt tgaacatga gattaagaac agctttaaga 600  
 ataattatga gaaggctttg aagcagtata actntac 637

<110> 80  
 <111> 294  
 <112> DNA  
 <113> Homo Sapien

<200>  
 <210> unsure  
 <220> 13, 42, 105, 198, 205, 266  
 <230> unknown base

<400> 80  
 ggcgttatct tttttgonag ttgcaattgg gggcaaaggt gnccttggag 50  
 aataattttt ttttttaaaa tgagaaggcc accaagtccc cttggtgac 100  
 attgntactg gtacgtcat ttttttttg ggcaccttg gttgttttgc 150

tacctgccga gtttttgcac ggatgctaaa actgtatgca atgttttnga 200  
 ctctngtttt tttggtcgaa atggtcgctg ccacgtagg atttgttttc 250  
 agacatgaga ttaagnacag ctttaagaat aattatgaga aggc 294

<210> 81  
 <211> 436  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 53, 58, 78, 148, 162, 253, 281, 336, 399  
 <223> unknown base

<400> 81  
 gtatggcaga ggataaggcg ttatgagaag ctgccaaagct tcagatgtgc 50  
 agntgggntg aataccgacg ccagcgcnta gcgcacatta ctttgcaccc 100  
 acacttagga aacaacccac gcttcacgcg gggacccgga cccagccntc 150  
 cagacccag cntccggctc cgacgtccgc gcgtgacctc cgggtacccg 200  
 aggaaccttg gacgaggagg tccctccgct ttccggtagg atatattctg 250  
 atnrtgaaag gaagataaaa caaaagcctt ntttggaata gatggatttt 300  
 tgttaccttc tgtgtgaact aaagtgactc aatgtntctt ttggattgct 350  
 tctgcacctc aagaacacaa gttgaatcac tcagacctga aaaacagtnt 400  
 gaacccagta tccatcaata cttgggtgat gagcca 436

<410> 81  
 <411> 670  
 <412> DNA  
 <413> Homo Sapien

<400> 81  
 actgattaaa ggcaggcgat acttctgtt gccgggacgc tatatataac 50  
 gtgatgagcg cacgggctgc ggagacgcac cggagcgctc gccagccgc 100  
 cggctccaaag cccctgaggt ttccggggac cacaatgaac aagttgctgt 150  
 gctgcgcgct cgtgtttctg gacatctcca ttaagtggac caccaggaa 200  
 acgtttcttc caaagtacct tcattatgac gaagaacctc tcacagctg 250  
 ttgtgtgaca aatgtctctc tggtaacctc ctaaaacac actgtacagc 300  
 aaagtggaa cccgtgtgcg ccccttgccc tgaccactac tacacagaca 350  
 gctggcacac cagtgaacag tgtctatact gcagcccggt gtgcaaggag 400  
 ctgcagtacg tcaagcagga gtgcaatgc acccacaacc gcgtgtgcga 450  
 atgtaaggaa gggcgctacc ttgagataga gttctgcttg aaacatagga 500  
 gctgcccctc tggatttggg gtggtgcaag ctggaacctc agagcgaaat 550

acagtttgca aaagatgtcc agatgggttc ttctaaaatg agacgtcacc 600  
 taaagcacc ccgtagaaaa acacaaattg cagtgtcttt ggtctctgc 650  
 taactcagaa aggaaatgca 670

<210> 33  
 <211> 427  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 21, 131, 150, 225, 352  
 <223> unknown base

<400> 83  
 aggtttccat tccccaccta nggagttaat tttttggatt aaaaggtttt 50  
 tgaacatttt tgttgatggg tggctttatt aaggcccgga agaaacattc 100  
 agattccgatt gaggaccagg aaatggcctt ntagggaaga gaaggcattn 150  
 tcttagatgg cttttaaaaa tatttcggcc agagtcactt gtctcattaa 200  
 cctacagtttt tgtcttagaa gctctctgtt gattttataa actagcatga 250  
 ttttgttatg aatgcctgct gctctgggtc tcttaataagc ccaacatgca 300  
 ttgtccatcat gtcggcaata agcacttttt ttgtgtgtgt aacaatgtca 350  
 ttttcattgt tgtgtgcctg tgttttgact gtgacctgtc acatgaggtt 400  
 ggtgtgtggaa ttttcactt gtggcaa 427

<210> 84  
 <211> 371  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 178  
 <223> unknown base

<400> 84  
 tctttggagc tgcaggaggg acggatggcg gaaccttcca gtcccttcca 50  
 gaggcgactg cactccgcc ggccgtgctt ggactcccta cagtggctcc 100  
 tactctngtg actccctgg cccctgggaa taggactgtg gacctcttcc 150  
 cagtcttacc gatctgtgtc tgtgactnga ctcttgagc ctgcgatata 200  
 aattgctgct gcgacaggga ctgctatctt ctccatccga ggacagtttt 250  
 ctctttctgc cttccaggca gcgttaagtc tccaagctgg gtttgtgtag 300  
 acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350  
 atggattcta atggaatcag g 371

<210> 85  
 <211> 324

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 22, 33, 167  
<223> unknown base

<400> 85  
ttaggaagctc tttaagaaaag tntattgtta ctnaaaacac accactgtct 50  
ttaggatgct tttctgggtg cctttgaagt tcatgaggt ggaggacgtg 100  
gacattgaag aagttcagtg tttctggct aacttgatat acatgggaca 150  
gttcaaaaggc tacatcttgc atcagcatca gaagtgggtg gtcagcaagc 200  
agaacccatt tcttcccttg tccacggtgt gttgaaagta cacggagccc 250  
cgagggaaggg tgagcagttg tttctttcca ctttgggttg gctgatgaga 300  
cgggttcggg actgcaacaa ggcg 324

<210> 86  
<211> 514  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 20, 38, 64, 358  
<223> unknown base

<400> 86  
caacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50  
ctgaaagatat gggngaccta ttctagaat gttgttgaag cttctctgga 100  
tggttggtgaa tataattctg cacttccct cctcagtgt cttgtttgt 150  
ctgaaagata caaccttgca gtagtttggc ttctcatgc agaattgtta 200  
aaggcccttag gctatatgga gcgagctgt gaaagtatg gcaaggtggt 250  
tgatctgggc ccactccatt tggatgcaag gatttcactt cctacccctc 300  
agcagagagct gggccagcct gagaaagctc tggaaactct ggaacccaatg 350  
tatgactcag atacttttagc acaggatgca aatgttgcac agcaggaact 400  
gaagttattg cttcatctgt ctactctgtt gttttcacia ggcaaaatgt 450  
ctgggttatgt ggatacccta cttactatgt tagccatgct tttaaaggta 500  
gcaatgcatc gagg 514

<210> 87  
<211> 84  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 23

<223> unknown base

<400> 87

aaatgtatgt atcatcagtt ggntacgttt tggttctatg ctaaaactgtg 50

aaaaatcaga tgaattgata aaagagttcc ctgc 34

<110> 88

<111> 588

<112> DNA

<113> Homo Sapien

<110>

<111> unsure

<222> 2, 53, 67, 91, 110, 195, 203, 424, 484, 487, 572

<223> unknown base

<400> 88

ggggttaactt agtggtttttg cnacaaggga aatttttttt ttagccaggg 50

ggnggggggccc ctgtygnatc ataaaaaggt cctgggcattg ntaacagcca 100

ttttggccan ttgtccggaa ttgtgggttt ataaaattca gatggaagac 150

cagaaaatac aagtytgcat tttagcagaat tcccttccctg ccagntgatg 200

agacattttg gaagpatttt ctgaatttaa aaatgaacat ttgggttctt 250

gtctctccccc tatctatttt tacattttct tatgtgcaaa tgagaaaaac 300

actaaggctt agggagcaga ggtatagcct ttccaagctt gtttttgcca 350

taattgtagt cttccctctg atgtgggggc cctacaatat tgcatttttc 400

ctgtctactt taaaagaaca ctntccctg agtgactgca agagcagcta 450

caatttggac aaaagtgtt acatcactaa actnatngcc accaccact 500

gctgcaccaa cccctccctg tatgggtttt ttgatgggac atttagcaaa 550

tacctctggc gctgtttcca tntgggtagt aacacccc 588

<110> 89

<111> 511

<112> DNA

<113> Homo Sapien

<110>

<111> unsure

<222> 60, 72

<223> unknown base

<400> 89

caggaatctc gaacactggc tctcccccct agttcccgcc ctgggagtc 50

gcaagcaggg ggagnttgag gncctggga cagctctgac tctggctgac 100

acacctgccc ctggggcaagg gtggtgcata tctgagggcg acagggacac 150

atggagaagt cagagtccac gccctctgct ccctccagct agccacgct 200

tcaactcagc cctctgtcac ttcaacttt ggcagtgggt tctgtccact 250

cagctgggtt agttggctct atcacatct cgggctctta gggttggctc 300

aggcccaact cggtcctctc ataggggtgg ccatacaacc atatcactcc 350  
 tcttaagggt ttttaaggata aagtttgaag ccttaaggat acgtcacagg 400  
 tctcttaggc cctgcttacc tcagcttctg cctagaagtt tatgccccag 450  
 aaacagtcaa aactccatgt ttacccctac acaacctgtg tgtctcaaca 500  
 ccatactttt gctcatactg g 521

<210> 90  
 <211> 513  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 43, 120  
 <223> unknown base

<400> 90  
 tctggggccc cggggacggt gtccctgaac ttgcggggga gngcccccg 50  
 gggctccggg cgtccccggg tccctggcaa ttcccgactt cccaaagggc 100  
 tctttgctgg cagccccogn agccgcacca tgttccgctt ctggctgctg 150  
 ctgggcgggg tctggggctt cctggggctc agaccgggtt ttcaaaatto 200  
 actctacag atcgttaatto cagagaaaat ccaaacataa caaatgacag 250  
 ttccagaaata gaatatgaac aaatatctta tattattcca atagatgaga 300  
 aactgtacac tgggcacact taaacaaaga tattttctag cagataattt 350  
 tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400  
 attccagact aatgtacta tcaaggaaat attgaaggat atccagatto 450  
 catggtcaca ctacgcaagt gttctggact aagaggaata ctgcaatttg 500  
 aaaaatgttc ttatgggaatt gagctcttgg aatctgagat tgaatttcag 550  
 catgttcttt acaaatataa gaatgaagac aatgatattg caatttttat 600  
 tgaacagaagc ctg 513

<210> 91  
 <211> 445  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 24, 45, 68, 107, 113, 118, 405-406, 419  
 <223> unknown base

<400> 91  
 ttgagctcga tatccacag agctccagc agaacgggtt ccttntacat 50  
 cccacgttta cttcacnaa gagggtgttc ccacccagac ccccggcaaa 100  
 agccctntac cccnccgntt gccacagtc acatgtcccg gatgatcaac 150

aattcaaggg cagacgattt cagaaaacca agaaactgot gacaggagag 200  
acagaaagggg acccagaatg atcaagaggg ctgaggacta tgggctgtg 250  
gaggtgatct cccattggca ccccaacatc accatcaaca tctgggaaga 300  
ccacacggcg tgggtgaagg gcagtgtgac cctccctctg gatcaatatg 350  
tgaagtccga cggcgtgagc ggtgactact atcccatcat ctacttcaat 400  
gactnnitgga acctgcagna ggactagggc cccatcaacg agagc 445

<110> 31  
<111> 398  
<112> DNA  
<113> Homo Sapien

<120>  
<210> unsure  
<220> 41, 63, 74, 113, 138, 149, 153, 178, 209, 252, 259, 262, 302,  
117, 345, 359, 371, 379  
<230> unknown base

<400> 31  
ccctggctgc tgggggccc ggtttggtgc cctttgocaa aanagggta 50  
ggtcctctgg acngaaccaa aatnatcttc ccaagtgtct tcaaaaagat 100  
tctctgocaa gggggccttc cgggtcttat actacacnta cctggcanga 150  
gggattcttc agcttctggg gggggaante ggcacacatg gtgtgctgg 200  
tgccctcangc cgcacacag ttcagcgac acgaggagta caagcgcatc 250  
cngggcgagt antatggctt cgggtggagaa ggcctgcctc cttggccttg 300  
cmtttcgcc ggccacntgg ctggaaacag agccgggtca ctgaentacc 350  
ccctggaccc ggccagagng nggatggcng taaccccgaa ggaaatgt 398

<110> 31  
<111> 117  
<112> DNA  
<113> Homo Sapien

<120>  
<210> unsure  
<220> 34, 50, 57, 79, 113  
<230> unknown base

<400> 31  
aaattaatgc aaaggggtgt agatgttccc ccngctgta aaatgaaggn 50  
ctattgntat ctattgagct ttgtgggant ggtggaagca ggcccccatg 100  
gaccatcccc cccccct 117

<110> 34  
<111> 267  
<112> DNA  
<113> Homo Sapien

<120>

<221> unsure  
<222> 34, 40, 75, 127, 153, 176, 183, 221  
<223> unknown base

<400> 94  
gggagggcggc gcatgtctat agcaactttt ttantaccan ccaagtttgt 50  
aguacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100  
taagtttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150  
atlcacaactg tgggttgtgt aaccgnccat ggnaattota caatgaattc 200  
ccggggcatg gccctggaac ntctcctaaa attctcagaa tgggtggcatg 250  
aaagtcacaaa aaatcac 267

<210> 95  
<211> 149  
<212> DNA  
<213> Homo Sapien

<400> 95  
gggttttttt tttttgggtt ggctctcttc atttagetta atgttttcaa 50  
gggtcactta tgttgtatca cgtatcagta cttttatttt tgtgtggcac 100  
gttcataatga taccocacaa ccggtttatc ttttcattaa ttatggggc 149

<210> 96  
<211> 141  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 95  
<213> unknown base

<400> 96  
tttttttttt tttttttttt ttttgagaag gagtntcatt ctgtcgctcg 50  
gggtggagtg cagtggcgcc atcttggctc actgcaaacct ctgcggccag 100  
gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97  
<211> 998  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554  
<223> unknown base

<400> 97  
gtttttgtta cagtttttgg ccaccatggg tgcagttata atgatgagct 50  
gcagtttttg gagaagattc aataaaaaant gntggaggat caagaagggg 100  
ttgtgoccaa catgcaggtt gaaggtgttt tntatgtgaa tgatgntttg 150  
gagaaattga tgtttgagga attaaggaat gcctgtngag gtgggtgggtgt 200



tgggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250  
 ttggaattgtt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300  
 ggttgcctat tgggaanatg gcagcctttg atatgaatga cctgaagca 350  
 gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400  
 gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450  
 ttgcccgaagc tatgtttgac canattcctg ttgggggtggg gtcaaaaggt 500  
 gtnatcccaa tgaatgcaca agaattggag gaggccttgg agatgggggt 550  
 ggantggtcc ttaagagaag ggtatgcctg ggtgaagac aaggagcc 598

<110> 98  
 <111> 518  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 28, 57, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285,  
 307, 309, 326, 368, 395, 477  
 <123> unknown base

<400> 98  
 aattagaaaa ggaaggttta tttttaanat tcttcttcca attggtttaa 50  
 tgggtgaatta atgaagnngg taagcaaaac caggtgcttg cgtt-gagggg 100  
 ttgcagtggt ntgggaggac cccgggggtt ccccggtgtct ttccangaa 150  
 tngttcggcc cctttggaat aaaaanaccg cgagcccccga gggcccagag 200  
 gaggccgaag tgcgcagnt notnccggggg tcccgcgcgc gagnettttt 250  
 ttgccttng catttctcc tngggcggtt tgganctgc aggaataaaa 300  
 aggatartha ctgtaccat tttgntttt tgttttcaa gccctgggaa 350  
 tgcacaggca cagtcanga atggctttga cctggattgc cagtnaggac 400  
 agtgtttaga tatcgatgaa tgcggaacca tcccagaggt ctgcccagga 450  
 gaaatgatgt gtgttaacca aaatggnggg tattttatga tcccgcggac 500  
 aaacccgtgt tattgagg 518

<110> 99  
 <111> 439  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290,  
 305, 360, 380, 386  
 <123> unknown base

<400> 99  
 ataccaagca ggcttttggc atcatgaacg ajctgcggnt cagccagcag 50

ctgtgtgang tcacactgca ggtcaagtae caggatgcac cggccgccc 100  
 gttnatggcc cacaagggtg tgetggcctn atccagccct gttttnaagg 150  
 ccattgttcac caacgggctg cgggagcagg gcattggagg ggtgtccatt 200  
 gagggtatnc accccaaggt natggagcgc ctnattgaat ttgcctanac 250  
 ggctccatt tccatgggng agaagtgtgt cctncangtn atgaacgggtg 300  
 ctgtnatgta ccagattgac agcgttgtec gtgcctgcag tgaattcctg 350  
 gtgcagcagn tggaccccag caatgccatn ggcattngcca aatttgetga 400  
 gcagattggc tgtgtggagt tgcaccagcg tgcocggga 439

<210> 100  
 <211> 395  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 54, 74, 113, 170, 194, 215, 257, 285, 317, 328, 373  
 <223> unknown base

<400> 100  
 ttggcatatt ttttccagc ttaattcaat tccagcattg tcatgcagca 50  
 cggnaatcct ttgattccac aganacatat cccagcattg cgcagttttt 100  
 cggatggcacc accagcagnt ttatccccc gtaccgatcc tcagaggaag 150  
 agaagagagt gacagttatn aaagccccgc attaccacagg gatngggccc 200  
 gtggatuaat ccggnatccc cacagcaatt agaacyacag ttgacccggc 250  
 caaggantgg tacaagacga tgtttaagca aattnacatg gtgcacaagc 300  
 cggatgatga cacaganatg tataatantc cttatacata caatgcaggt 350  
 ttgtacacac caccctacag tgntcagtea caccctgctg caaag 395

<210> 101  
 <211> 396  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 29, 33, 92, 112, 144, 185, 190, 204, 215, 235, 238, 292  
 <223> unknown base

<400> 101  
 ccaatgcgcc ggggcgggtg tgcaggtntc ggntagtcac ggggtccccc 50  
 tttcggagac tgcagactaa accagtcatt anttgtttca agagcgtttt 100  
 gctaatttac anttttatnt tttggatcac tggcgttatc cttnttgcag 150  
 ttggcatttg gggcaagggt agcctggaga attanttttn ttttttaa 200  
 gaggaggcca ccaangtccc ctttgtgctc attgntantg gtaccgtcat 250

tatttttttg ggcacstttg gttgttttgc taactgcoga gnttttgcac 300  
ggatgctaaa actgtatgca atgttt 325

<210> 102  
<211> 335  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 41, 127, 145, 178, 203, 220, 254, 267, 272, 320  
<223> unknown base

<400> 102  
tattccctgg tggcagcgag gtggggcggcg gcgaggggag ntggacccca 50  
tgaagtcgg cgggtgagtg agacccggcg cccacggtea atcccgcaa 100  
attccrggg ccccccoga cggcctnccr gcccttttgt ttttaanttt 150  
tattaaatg cttaggatac agattgantt tttttgtaa atgactggtt 200  
tattttccct gaagtaggan atatatgcac ttcgataaaa cagaatgaga 250  
agtnataatt catgggnatt cntatacaag gtgctgates tgtgtttgga 300  
gttgagctcc tcacagcagn ttttttcage tatttt 335

<210> 103  
<211> 355  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 18, 107, 145, 150, 168, 174, 195, 239, 254, 285, 295  
<223> unknown base

<400> 103  
tcccgccttc atttttttng ccatttgcca cattatagca ttgatgagc 50  
tgaagantga ttacaagaat cctatagacc agtgtaatac cctgaatccc 100  
cttggtantcc cagagtacct tatccacgct tttttctgt gtcangtttn 150  
tttggtgagc agagtggntt acantggggtt tcaanatgac ccttttgcca 200  
tctcatattt ggaggtatat gagtagacca gtgatggang ccccaggaat 250  
ttangacctt acaaccatta tgaatgcaga tattntagca tattntcaga 300  
adgaaguatg gtgcataaata gcttttttatt ttttagcatt tttttaactac 350  
ctata 355

<210> 154  
<211> 485  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398  
<223> unknown base

<400> 14  
ggg ggggaat ttagtttttc caggatgtgg ttgccccttc cgntgtgggg 50  
ggaaaggggg cccagaaacc gaccanacgg tggcaagaga cccagaaacc 100  
gaggaacgaaa aattgtatga gaagaaccca gattcccatg gttatgacaa 150  
ggaccccggtt ttggangttt ggaacatggg aattgnttc tttcttttgg 200  
gntcccatna tccgtggtcc tggcagcacc ttgtgtggcc atttgcctga 250  
ntacaggatg aaagagtggg cccgcgcgga agctgagagg nttgtgaaat 300  
ccacagaggc caatggccct cccatnatgg aatcccaantg ntttgacccc 350  
agcaagatcc agctgcacga ggatgagtga ccagttgnta agtggggntc 400  
agcaagacc gccctcccca cccctggtt gccatttga ccttttttca 450  
gag 453

<210> 185  
<211> 449  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 21, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,  
353, 356, 355, 379, 434  
<223> unknown base

<400> 185  
aacctccgtg aggggtgcgt tanctgctgt tccgcagng attatgggga 50  
tttttttcgg ggggttcgtc gntangaatt tgaggccgac gcccatgtgt 100  
gntcagagag acgcaacaag aantttagga catggagaac gaattttact 150  
atnctacccc aagnttccag gaagtgcag tgatggtttt ngtagggcttc 200  
ggcttcccca tgactttcc tgcagcgtac ggnttttagcg ccgtgggctt 250  
naanttccgt ttggcagcct tggccatcca gtggggcggtg ctcatgcagg 300  
cctgggttcca cttnttacc gaccgctaca ttgttggtgg ngtaggagaa 350  
ctnatnaacg ctganttttg cgtggccctnt gtttggtgg cctttggggc 400  
agtattgggt aaagtccagc ccattcaggt gctnatcatg acttttttc 449

<210> 185  
<211> 394  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376  
<223> unknown base

<400> 106  
 ggggaacctg ggaggaacat gcaggagtgn atttgttttg gtggggggtt 50  
 tcttgggctg gttcaggcct gccttgagcc ctgggantgt ggggaaaagt 100  
 atggtttcca gatngccgac tctgcttacc gngaentaga atccgtgcgc 150  
 ccttggttccc ggccaatgtg aatacaatga gctgttcagc caacgggtgc 200  
 caggtcttgc ggagggtgct ttcaggaggg tgcctctgct gcagtingct 250  
 tgggtgggac acaatgagat ccgcacgggt gcgcgcggag ccttggcctt 300  
 ttttagccat tccaagagcc tggacctcag ccacaatttn attctgant 350  
 ttgcttgag cgacctgcac aacctnggtg ctgtccattt tgag 394

<10> 107  
 <11> 525  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <11> unsure  
 <12> 10, 23, 41, 71, 95, 153, 166, 196, 361, 367, 414, 499  
 <13> unknown base

<400> 107  
 cccaaagggtt ccgaaatttg aangttcata ggttcttcaa ngctcttcat 50  
 tcccttggtag acaaatccaa natcaaccca cagttggagg tatanacaag 100  
 cggagggacc ctgagagtgt ggctggggag tatggggggc attcctttta 150  
 caaaatgntt ggttanttca gcttggctgg gtttttccgc ctgcantccc 200  
 tcttaggaga ttactaccag gccatcaagg tcttggagaa catcgaaatg 250  
 aadaagnaag gtatgtattc ccgtgtgcca gagtgcacag tcaccacata 300  
 ctattatggt gggtttgcac atttgatgat gggttgttac caggatgcca 350  
 tccggggttt ngccaanatc ctcttttaca tccagaggac caagagcatg 400  
 ttcagagga ccangtaca gtatgagatg attaacaagc agaatgagca 450  
 gatgcattgg ctgctggcca ttgcctctac gatgtacccc atggttatng 500  
 atgagagcat tcacctccag ctgcg 525

<10> 108  
 <11> 493  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <11> unsure  
 <12> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,  
 405, 417, 423, 430, 465, 490  
 <13> unknown base

<400> 108  
 gacccatccc angngtccg agatcatgag gatgtttttt aatggccggt 50

acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcatttac 100  
aaagatgctt ttaaaagcca gtcaacctgt tcggntntgg gtggaacgtg 150  
tcggccatgt acagntccag ccacccccc gcagagcata agaagatggc 200  
gcttttgaac gacagcgtng ttagacacaa cagcattttg cagctggatc 250  
caagcattcc tggagtgttc cgaggccctt atcccttgg cattgacct 300  
atttggaant tggccacaaa tngcctcact tttntaaant nttccaaaat 350  
gaaaatgtcc gtgattttag gaatcattna tatgantttt ggagtcattt 400  
tcgggnatatt taaccanttg canttcaggn agaagttcaa catttaacctg 450  
gtttccatcc cggaantttt tttcatgctn tgtatttttg gataccta 498

<210> 109

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 74, 110, 139, 142, 213, 233, 275, 292, 320, 348, 405, 413, 418,  
430, 448, 469, 490, 492, 500, 511, 545, 552

<223> unknown base

<400> 109

taaggcttcc aggtccccc ccttacccca ggtttttcac agaattggatt 50  
ccatagcggga aattgcagag gaantgggc tttaccaatc cacccttttt 100  
cttgatugtn taaaagattt cctggatgag aaaaaattna tngattgcac 150  
cttaaaagca gggacaaaag tttcccttgc cacagattga ttttgtcaga 200  
tcttagtccct tanttcggg agtacttttt atntgaaatt gatgaggoga 250  
aaaaaaagga ggtagtgtta gacaangtgg atcctgttat anttgattta 300  
atcatcaaat acctgtactn tgcacgtatt gatctcaatg acggaaaangt 350  
gcaagatatt ttgtcattgg ccagccgctt tcagatcccc tcagtgttta 400  
ctgtnttccgt tnttcatttt cagaaaagan ttgtctctgg taactgtnta 450  
gcatccttaa gattaggant tttttttgac tgcctcgagan tngccatttn 500  
tgccctggaa nttgtgtctg atcgctttgt acagatttgt aaggnagagg 550  
antttargca actgtttcca cag 573

<210> 110

<211> 570

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,  
404, 415, 417, 454, 472, 481, 499

<223> unknown base

```

<400> 110
gcattatttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50
tcccaggagg ggttccttat attcgttcat gtccagttat gatgctttct 100
gactgggtaca cgtatgttta caacccaagt ccagattacg ttaccacagt 150
acactgtant cangaagcgt ttaccacta tataccattg tatttattta 200
ttagcactn tgettgggtat taangatgct gctccgacct cttntgggtga 250
agaagatgdc atgtggggta gggaaatntg atcgatttaa aagtatttat 300
gntgcacatt accttttccc aattttaacc gtgcttcagg cagttgggtg 350
nugccttina naaaangcct tccatacat tatattagtg ttatntttgg 400
ttaatctggc tgtgnanatg tctgcttttg aaatagagaa ctgctatgat 450
ttnttggtca gaaagaaaag anttattggt nttttcagcc actgggtant 500
tcatgctat ggaataattt ccatttccag 530

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<210> 111
<211> 356
<212> DNA
<213> Homo Sapien

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<210>
<211> unsure
<212> 24, 42, 87, 99, 101, 286, 303, 329
<213> unknown base

```

```

<400> 111
agtcactgtg agcaggtggt attnacagcc tgcctgaccc tnacggccag 50
ccctggggtg ttcccgtca ctgtacagcc accgpcantgt gttcctgana 100
ngtacagaaa cgcacagctt tggtacaaga ttttcacaac tgccagagat 150
gpcacacaaa aatacgccca agattacaat cttttctggt gttataaggg 200
ggcctattgga aaagtttatc atgctttaa tcccaagctt acagtgattg 250
ttccagatga tgaccttca ttaataaatt tgcctntcat gcacaccagt 300
tanttccctt ttgtgatggt gataacaang ttttgctatg ctgttatcaa 350
gggtag 356

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```

<210> 111
<211> 711
<212> DNA
<213> Homo Sapien

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```

<210>
<211> unsure
<212> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356,
385, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684,
693
<213> unknown base

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```

<400> 112

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aagggtccgg ttggttcatt taangtatat taaattgaaa gggtttncctt 50  
cagtcattgg aacagtttgt atnattggga acacccaacc natgttagta 100  
ggatgggatg tgttacagtg tgtttaanac attntaaatt acagngcatg 150  
ngcttatgtc cgttggttat ttgttgagca gtaaatttag gnggaatatt 200  
tttntattt toctenangg gataggcaag ctgtggggna gcacaggctt 250  
tggagcaagc agatttgatt gtgacctat ataagtttca atttccctgt 300  
ctgtaattag atccccactt tattggggtg ttgtaaggat taaatgaagt 350  
aatttntgta aaacataatg actgatacaa agtagnaaat aagtaaattt 400  
ttaaatttnt ttcanttttg caccagcata cagacatagt atgtttcttt 450  
tggacaaaac agaacagaat nagatgtgta ataataaag agtganttag 500  
cagttntagt tatttacctt atagaaatga gtgcataatgt gtgccagaag 550  
aatgttatag gnatgttnat agcagcattg cttgtgatag cccaaaaant 600  
a gaaacaccc acagatttaa caacagtaga atggattaat aaattgtggt 650  
atattcataa aatgcaattt nattnaacaa cagnagcgaa cacagtantg 700  
gtacacacac c 711

<210> 113

<211> 507

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 101, 263, 376, 397, 426

<223> unknown base

<400> 113

gttggaata tggatgtcat ctacgagaaa ctgttttaag ccacagacaa 50  
ttaaagacc tttaaactct ttggcttctg gtcaagggaac aagtgaagag 100  
nacacttttt acagttggct agaaggctct tgtgtagaaa aaagagcatt 150  
ctacagactt atatctggcc tacatgcaag cattaatgtg catttgagtg 200  
caagatatct tttaacaagag acctggttag aaaagaaatg gggacacaac 250  
attacagaat ttnaacagcg atttgatgga attttgactg aaggagaagg 300  
tccaagaagg ctttaagaact tgtattttct ctacttaata gaactaaggg 350  
cttlatccaa agtgttacca ttcttngagc gccagattt tcaactnttt 400  
actggaaata aaattcagga tgaggnaaac aaaatgttac ttttggaaat 450  
acttcatgaa atcaagtcac ttcttttgca ttttgatgag aattcatttt 500  
tttgcctg 507

<210> 114



<211> 551  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,  
354, 397, 535  
<223> unknown base

<400> 114  
cttgaaaat tatgggtgtgg cgggaaccaa anaaatttgc tttattgggg 50  
cttgggcntt naagtttcca ggggcacott ttggngccag ccccatgcag 100  
gggatttttg gaagtgtgca ggtgcctgta tggttcagta ccagaagntt 150  
tttttggttt tgaagttnng aggcaaggcc tgggtgcccc ggcgggtgoc 200  
cgtctggggg tcaagcggac cagttccatg gattccccag gaggtccccc 250  
gcccccccc ngttcaaaag gaggggttgg cggtcacagg gcaacccctn 300  
gaaagcgggg tgtttntttt ttntngang ccttcgggtt gaaacccctt 350  
ttgttcata tgcctaaaaa ttatttggga aggtcgggga agtaggnttt 400  
gggtccatgc ctaaatttgt acgtttttat tctcaagge ctatagcctg 450  
tcaatccttg aagccttttt tgcctgtccc tccgacott gtccacggtt 500  
tattantgc ccaatttatt gtttatacgg atgantggga ggcgaatgcac 550  
c 551

<210> 115  
<211> 404  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 22, 51, 65, 87, 97, 117, 158, 180, 201, 203, 237, 291, 300, 309,  
348, 381  
<223> unknown base

<400> 115  
gcagagggtg agcggcagaa anataaaaaa cttgaaagtg ccttccttg 50  
ntccagccat catctcctc ctccttgggg tggtcangtt catggntccc 100  
ttcattgggt tgttgngtgc cctccctgta caacctgtac cttttccaa 150  
gcattcangt acatccttgg gatttgcctn atcatggagc tcattgggtg 200  
ngnggttgcc ttgaaccttc ggaaccagac cattganttc ctgaacgaca 250  
acatttgaag aggaattgag aactactatg atgatttggg nttaaaaaan 300  
atcatggant ttgttcagaa aaagtccaag tgcctgtggc gggagganta 350  
ccgagatttg agcaagaatc agtaccacga ntgcagtgc cctggacccc 400  
tggc 404

<110> 116  
<111> 274  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 123, 129, 173, 185, 224, 267  
<123> unknown base

<400> 116  
gtcattttccc ccggtttttat atcctgtaca caatttttcat gaaaggattg 50  
cagatgttat gggctgatgc caaaaagggt agaagaataa agacaaatat 100  
ctggaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150  
atttgagaca gttccgcca gangtcacca agtgtntttt cctaggtatt 200  
atttcatttc cactttttgc caantacctg gtttttttgc taatgtacct 250  
gtttccnagg caaatantga tcag 274

<110> 117  
<111> 501  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 13, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,  
300, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497  
<123> unknown base

<400> 117  
gggtgggaatc ccaattttttg gggggaagnt ttccggaggc tcanttaagg 50  
gaagaaattt caaaatgaaa attcaaagta gtgttngccc agagttgatt 100  
gtgttcagca tttnganata gccagagat acaggataag caaataccca 150  
aaatttnaaa ttgttngta aatgggatga tgatgaagag agaatanagg 200  
gttcagngat cagtgaagc attggcagat aacatnagc aacaaaaaag 250  
tgaacacatt naagaaattt ggganttagc agaaatcacc anttttgatn 300  
gnagcaaaag aaatatnatt ggtatttttg agcaaaagga ntnggacaac 350  
tatagatttt ttgaangagt agngaattatt ttgcatgatg actgtgcctt 400  
tttttttgca ttgggggatg ttccaaaacc ggaaagatat agtgngaca 450  
anataattta caaacacca gggcattttg ntccggatat ggtgtanttg 500  
gg 501

<110> 118  
<111> 276  
<112> DNA  
<113> Homo Sapien

<120>

<221> unsure  
<222> 34, 36, 93, 104, 147, 151  
<223> unknown base

<400> 113  
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttca 50  
gattgttgac ccggtgattt cccagtgct gaacattatg gtnattcaaa 100  
cagaaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150  
ntgcacacca attacattt ttttgaaaaa catggtgcc aatcaccagg 200  
tatttccaag tatgacaggg agcccgaaac ccttgc 236

<210> 119  
<211> 204  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 21, 33, 64, 129, 167, 172, 198  
<223> unknown base

<400> 119  
atattgcagag agactgggtg ntccagagctc canticagggtg aaagaatttg 50  
gggaatttgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100  
aaagcaatga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150  
agcattgtac atttgnntg anttcatatg gagtttttta ttcaaaant 200  
page 204

<210> 110  
<211> 473  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 55, 92, 121, 142, 154, 170, 293, 315, 323  
<223> unknown base

<400> 120  
gttattgtga acttctgtga gatgggaggt cntggggctg tgttccatgg 50  
cgagctggat accangtttg tctggaagtg cccctgtttt gntatgcaga 100  
tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcact 150  
ttntttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200  
tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaaggt 250  
gttgctcctt gtaacatttt ggttggctat aaagctgtat atngtttgtg 300  
ctttggtttg gctangttct atntctctct ctctttacta atgatcaaaag 350  
tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400  
tttaaatttg ctgcagcaat tgcaattatt attggggc 438

<210> 121  
<211> 279  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 58, 56, 71, 79, 92, 110, 116, 138, 162, 192, 207  
<223> unknown base

<400> 121  
tggagataag aggtacagc aaattacatg atgacctagg agagtttcca 50  
tatggatngt ttgaanttgt ngctagtana aaatctttcc tntttttcac 100  
tgacatgtn atttantgga ttacacagagg ccttcatnat agactgggtat 150  
ataagggcct anataaacct caccatattt ggagattcct antccatttg 200  
taagtentgc ttttcacctt attgatggc 229

<210> 122  
<211> 273  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 12, 34, 193, 202, 213, 230  
<223> unknown base

<400> 122  
tgggcctggc ctgatgggtc antttttttt aaantttttt atcagtacaa 50  
attatgggat aacatatgaa attttattat gtgtatgtaa tgcattagtg 100  
taaaagtcaag gtatttacgg tgcacataac ccaaatacaa tacatttttg 150  
taactatagt caccctggtt ttttatcaaa cattgaattt attccttnta 200  
tnttatattat gtgtgtantt tttaacacan ttcttttcat ctccctttot 250  
ctcccaatc acccttcccg tcc 273

<210> 123  
<211> 276  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 61, 73, 130, 219, 343, 351  
<223> unknown base

<400> 123  
agaagggggg gtgaaagtgg ttgcccagta atggccagaa accaaccacc 50  
agaggccagg ntgaaagaca agntccgggt gtccctggggc tgacggggcca 100  
accatgtggc aggtcccagg cccacccan tgcgcacatcc gcctttgagc 150  
tccacagtgg tcccactaat gggaacctcc tttagggaga gtgatactgc 200

accttcacccc gtaggaatna tattttataac aatgtgtaat ggctgtagca 250  
 aaaagccctt gtttttagat gtaaattggtc aaagaaacaa gcgctttatt 300  
 gttttgaata aaatagttca aatgagtcct gtatcattgt atntcctatt 350  
 ntggattagt gccttttgga cgattg 376

<210> 134  
 <211> 437  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 31, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,  
 275, 313, 316, 331, 334, 347, 349  
 <223> unknown base

<400> 124  
 atggaaaact ttttttaggg ggggggtggtt cntgagcgaa ggtgggcgga 50  
 cgnngnggggg attttttntt ggccctgttc cttcngagcg ttccgcctt 100  
 gccgccttg ccctacgga gtctttagcc aggatggagg ctgttgtaga 150  
 ntgtaccaa gaggtgatga agcangcaga tcccgcgatc cagggnac 200  
 ttctgagggg gtccctcttg ctaangacct ccattttcct gacctangtg 250  
 tantttgttt tntcanttgg gcctngcctc atggctaate ggaagccctt 300  
 ccagcttcgt ggnitnatga ttgtttacaa ntntcactg gtggcantnt 350  
 cccctacat tgtttatgag ttcttgatgt cgggctggct gacacctat 400  
 acctgggct gtgacctgt ggaatattcc aacagcc 437

<210> 125  
 <211> 441  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 23, 177, 227, 251, 357, 370  
 <223> unknown base

<400> 125  
 aagtagggaa gtgtatttc agntacagat ttgatccctt tggagtggat 50  
 atcacttoga aaggaaaaat gagagcaaga tatgtgaatt acatcaaac 100  
 atcagaggtt gtcagactgc cctatcctct ccaaatgaaa tcttcaggtc 150  
 cacttcctac tttattaaaa gggaatngtg gggctggaca gactttctaa 200  
 tgaacccaat gggtatgatg atggttnttc ctttactgat atttgtgctt 250  
 ntgcctaaag tggtaaacac aagtgatcct gacatgagac gggaaatgga 300  
 gcagtcfaat aatatgctga attccaacca tgagttgcct gatgtttctg 350  
 agttcatgac aagactnttn tcttcaaaat catttggtcaa atttagcagc 400

ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126  
<211> 397  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 84, 86, 96, 101, 112, 153, 220, 225, 297  
<223> unknown base

<400> 116  
ctttccctt ggcggtgaga gtgcagagac gaagtgcgag atgagcatta 50  
tcttcgggga catctctca tctttttat ctctnggtgc acggtntgtt 100  
nctagagggc anaacctggg tcttggttta caggacagac aagtacaaga 150  
qantgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200  
qaaacaataa cagagtcagn tggtnacaa cagaaaaaga aaatagagag 250  
aaagaagag aaactgaaga ataacaacag agatttatca atgggtngaa 300  
tacaattcat gtttgattat ggcttttgtt ttactgccct aatgggaatg 350  
ttcaattcca tatttgatgg tagagtgggt gcaaaagctt cttttac 397

<210> 127  
<211> 179  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 67, 70, 95, 114, 170, 179  
<223> unknown base

<400> 127  
atttttttag tatatccaca gatttgtgca accatcaatt ttagaacatt 50  
ttatccaaa attttngcn tgtaatagtt tcttagagct gttnttaac 100  
gagtaaac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150  
gggtgcagtg gctcaagcch gtaatccch 179

<210> 128  
<211> 561  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354,  
375, 429, 443, 490, 509, 523, 527, 547  
<223> unknown base

<400> 128  
atttcccttc cttttttccc gccngtatt ttttttnaac ctttttccca 50  
cctttgnttg ggtagccatg gggggagccg tngggggcaa tcagtcccat 100

tccatttccct tgttgteent tgggagccga gcggttccgc gcccggtggn 150  
 ggcggggagcc caggagccctg ccngccctgg ggangaagag tgcagttctt 200  
 cntggcggtg caccgatntga tcttntggag agatgtgaag aagactgggt 250  
 ttgtttttgg caccacgctg atcatgctgc tttccctggc agctttcagt 300  
 gtnatcagtg tgggtttctta cctcatcctg gntttctctt ctgtcaccat 350  
 cagnttcagg atttacaagt ccgtnatcca agctgtacag aagtcagaag 400  
 aaggccatcc attcaaaagcc tacctggang tagacattaa ttntgtcttc 450  
 agaagctttc cataattaca tgaatgctgc catggtgcan atcaacaggg 500  
 cctgaaant cattatttgt cttttntgg tagaagattt ggttgantcc 550  
 ttgaagctgg c 561

<E10> 129  
 <E11> 526  
 <E12> DNA  
 <E13> Homo Sapien

<E20>  
 <E21> unsure  
 <E22> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465,  
 472  
 <E23> unknown base

<E00> 129  
 tgttccctcaa tccaatttcc ggattttaga atgcccgtaa aaaatttata 50  
 attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100  
 aatttttaac ctttggcctt tttttttaag taaggcaatt aatataaatg 150  
 taaaatctac aatattaaca aacntgggtt ccagnttgta catttagtaa 200  
 ataatttaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250  
 tgaattata ttttattatg ttcagttttc catggcaatt gcttagtttt 300  
 taaagtatat tataatcctt atgtttgtga tnttttttca tantttatta 350  
 tttacagggag tccagntant tgcnttttta gttcccantt tgatatttta 400  
 cctgnttgat gaaaattttt ttgcctcagc aagttcagct tccaaagatt 450  
 ttcagtagtt tgcantccag aatttaatgc atattggacc tntgtatcca 500  
 catgctttta agacagtaat gggggc 526

<E10> 130  
 <E11> 429  
 <E12> DNA  
 <E13> Homo Sapien

<E20>  
 <E21> unsure  
 <E22> 267, 330  
 <E23> unknown base

<400> 130  
 aaataaattt ttcatcccat tatgcatttt gtttgtaaatt gtaaatttta 50  
 aaatatgtgt taataacatt tcaacotggt tattacaact taaaaggaat 100  
 tcaatgaatt tgttttcatt ttttaacaag atttgtgaac tgaatatcat 150  
 gaacacatgtt ttgatacccc tttttcaagt tgtgcacaag gaataggggtg 200  
 ttgatatatt ttccatatgt taaggagatg attcaaaatg tcaattgott 250  
 taactctaaa ttacacncca agagaccaag gtacatttac ctcatgtgt 300  
 atataatgtt taatatgtgt cagagcactn tccaggtttg cagttttatt 350  
 tctataaagt atgggtatta tgttgcacag ttaactcaat ggtactgtat 400  
 tgtttatatt tgtaccccaa ataacatcg 429

<210> 131  
 <211> 372  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 126, 261, 347  
 <223> unknown base

<400> 131  
 ggggggggtg aaagtgggtg ccagtaatgg ccagaaacca accaccagag 50  
 ggcagggtga aagacaagct cggggtgtcc aggggtgtgac gggcacaacca 100  
 tggggcaggt cccaggcccc acccaatggg ccatacggct ttgagctcca 150  
 cagtggtccc actaatggga acctccttta gggagagtga tactgtacct 200  
 ttaaccgtag gactcatatt tataacaatg tgtaatgggt gtagcaaaaa 250  
 ggccttgggt ntatagttaa atgggtcaag aaacaagcgc tttattgttt 300  
 tgaataaaat agtccaaatg agtccgtgat cattgtatct cctattntgg 350  
 attagtgcct ttgggagat tg 372

<210> 132  
 <211> 252  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 33, 37, 58, 95, 154, 204  
 <223> unknown base

<400> 132  
 ggatatcttt ttccatcctt ttattttcag tcnatgngtg tctttatagg 50  
 tgaaatgngt ttcttgtggg caacagatca atgggtcttg ttttnacatc 100  
 tattcagcca gtctatgtct tttgtttgga gagttagtc gatttatggt 150



caangttatt attgataagt aatgatttct cccagttttt tttctggttg 200  
 tttngtggtc ttctcttctt tttttcttct tttcttctt tcccgctccc 250  
 ag 252

<210> 183  
 <211> 183  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 57, 118  
 <223> unknown base

<400> 183  
 gtatgtacat gtgtatgggt tgtgcatgta ggtgtgggtt ggtgtgctg 50  
 ggtgtggtgt catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100  
 tgtgtgtgtgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 184  
 <211> 366  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 1, 7, 187, 366  
 <223> unknown base

<400> 184  
 ggggaaaaaat atctgttaca aatttataat ttcaagacaa attgaatctt 50  
 attttataat acttttggaa ttccattaat aaggctaaaa ttgaggaat 100  
 ataaatnatt ttcagcctta agacatntaa gtttgggaagt ccttgcctatt 150  
 caacagaata acaagaaaac ttcagaatgt atcaactntcc tgaaaaagaag 200  
 acat taataa gccctttttt ttatgggttat agttttattt atagtctcaa 250  
 aatttctaaa gcaatgctac aaccattgaa ttgacatat ttgtatcag 300  
 ttgtgttaat ttgtgtttgc ctcaagaaaa agtgtttttt ctccatggat 350  
 gaggctagac cctcgn 366

<210> 185  
 <211> 179  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 31, 59, 158  
 <223> unknown base

<400> 185  
 agggggttct tgacattttg ttcaaactct ngtaacaatc tgtcttttagc 50  
 tttattttnt gagaaactga gaaaacctgt ttccattgac ttcttagaag 100

ggttcatgta tatagcacta cagaagcata atgaagtttc tcagctccca 150  
 aaattatngt tattatactg ctattatac 179

<210> 136  
 <211> 483  
 <212> DNA  
 <213> Homo Sapien

<214>  
 <215> unsure  
 <216> 2, 39, 54  
 <217> unknown base

<400> 135  
 tattcgagat tgactcctct tncataagtgt cgcgcacctt ttagagcagc 50  
 gaatataagag agccgtcccg gtgtcctcgg gtcccagtgga ttgtgaagtg 100  
 ctgcacattg ccactggaca tacttgaaac aaaataggaa aatggcagca 150  
 aactcttcag gacaagggtt tcaaaacaaa aatagagttg caatcttggc 200  
 aggaactggac aaagagaaaa gaaaactact tatgcagAAC cagtcttcaa 250  
 caaatcctcc tggagctagc attgcactct cgagaccctc tcttaataag 300  
 gatttcgggg atcacgtgga gcagcagcat attgcagccc aacagaaggc 350  
 agttttgag catgtctatg cacattcacc tggatacttc atcaactaag 400  
 acctctgatt tgggaacctc attcttcccg ttttacctcg ccttgaccca 450  
 gaatgaagaa aacatttgcg atggaaaagt gac 483

<210> 137  
 <211> 508  
 <212> DNA  
 <213> Homo Sapien

<400> 137  
 cttgagcgag ccagttgcgg gattattcta ttccacctcc ctctctcccg 50  
 ccctgtatct cttttcacc ttctccacc ctctctcgcg tagccatggc 100  
 ggagccgtcg gccggcactc agtcccatc catctctcg tctctctcg 150  
 gagccgagcc gtcgcgccc ggccggggcg ggagcccagg agcctgccc 200  
 gcccctggga cgaagagctg cagctctctc tgtggcgtgc acgatctgat 250  
 tttctggaga gatgtgaaga agactgggtt tgtctttggc accacgctga 300  
 ccattgctgt ttccctggca gctttcagtg tcattagttt ggttctctac 350  
 ctccatctgg ctctctctc tgtccaccac agcttcagga tctacaagtc 400  
 cgtccatcaa gctgtacaga agtcagaaga aggcaccca ttcaaagcct 450  
 acctggaggt agacattact ctgtctcag aagctttcca taattacatg 500  
 aatgtgcca tgggtgcacat caacagggcc ctgaaactca ttattcgtct 550

ctttctggta gaagatctgg ttgactctt gaagctggct gtcttcac 598

<210> 138  
<211> 300  
<212> DNA  
<213> Homo Sapien

<400> 138  
ccttagacaga catgcaaaag cttattcttg tgtgacttac tttctttaag 50  
ctaataatat aaaaataaat atgtatctta aaaatctata ataaaaacatt 100  
agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150  
tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctaccttag 200  
cggtagaaaa agaaagagag tcaagaattt tgttggattg tgtttgtgtg 250  
tgcataatatt tgataacac attatatctg taatctttgg acttgtaac 300  
ataacctgtt tattctactg 320

<210> 139  
<211> 497  
<212> DNA  
<213> Homo Sapien

<400> 139  
cggacgggtg ggctgcttg cgcctcttt ggatacctaa cattttaaga 50  
acatgttagag tcagaattgc ttcataccta ctctctctac ttgggaactg 100  
atattctctt tctcattgct cgtctgggtg tgttaattggc tgtgacctg 150  
acagtacag tagttatttt cccaatcgg agttctgtaa ctcacttggt 200  
gtgtgcatca aaagatttca gttggtggcg tcatagtctc attacagtgt 250  
ctatcttggc atttaccat ttaattgtca tttttgtccc aactattagg 300  
gatatctctg gttttattgg tgcctctgca gcttctatgt tgatttttat 350  
cttctctctt gcctctctata tcaagtgggt gaagaaagaa cctatgaaat 400  
ctgtacaaaa gattggggct ttgtctctcc tgttaagtgg tgtactgggt 450  
atgacgggaa gcctggcctt gattgttttg gattgggtac acaatgc 497

<210> 140  
<211> 105  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 11  
<223> unknown base

<400> 140  
acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50  
tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100  
gggag 105

<210> 141  
<211> 473  
<212> DNA  
<213> Homo Sapien

<400> 141  
tccccgttgc tgacgcttca tccccacac ctcacagccc agttacctgg 50  
agcttctcag aacctacttt gccggtgcta aaacataaga gggggtgaaa 100  
gtggtcttcca gtaatggcca gaaaaccaac accagaggcc aggttgaaa 150  
acaagcttccg ggtgttcagg ggttgacggg ccaacctatgt ggcaggtccc 200  
aggcccaccc cactgggcca tccgctcttg agctccacag tggctccact 250  
aatgggaccc tctctaggg agagtgatcc tgcaccttca ccgtaggac 300  
tcctatctat aacaatgtgt aatggctgta gcaaaaagcc cttgtttcta 350  
gatgtaatgt gtcaaaagaaa caagggtctt attgttttga ataaaatagt 400  
tcaaatgagt cctgtatcat tgtactctct attctggatt agtgcctttt 450  
ggacagtaga ctgtttctga aaa 473

<210> 142  
<211> 578  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 60, 105, 110  
<223> unknown base

<400> 142  
tccatgtgaa ttttgettta tggaaatgctt tatttaagca tttaggcaga 50  
gttgacacac ttaaaggtaa aaagcccaga ggaattggta gagcagcac 100  
gtgcttgcct tgaggcagtg gagtcagtag cgttgcctcc agggccttga 150  
gtgcttggag gtgcttggcc tccagtagct gctccattc tcttttaaaa 200  
aaagggggtg attctgaggg actgaagtgc cccccagatg tggaggagtg 250  
aagccatcat cgaggccaca ctcagcactc caggatccca gcgatgtcag 300  
acactcttga gttgtcaaaa cgttaatttt cagttttaaa taatcagttt 350  
atctaaagaaa agggaatttt aacttttcta ccttgagcca agccaatgaa 400  
gggaaaatta attaatctag taaatttgaa gtgcagctct gttagctcgt 450  
acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aaggtgtttc 500  
caagtttaga ttaaaataga agcagctggc cgggtgcggg ggctcacgcc 550  
tgtaatccca gcactttggg aggccgag 578

<210> 143  
<211> 1000

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 64  
<223> unknown base

<400> 143  
aaagaggtctc gctccagcct ggtgatagag caagactcgg tctaaaaaaa 50  
aaacacaggag tganaaaaat aagagtcatt gaacttcatt tttttaaaaa 100  
agaaatattac tttgctgtcc tttcaaatat agcatttccc caattaggta 150  
cctgttttatt gagattttat aatgtaggta aatttttaat cagtttttaa 200  
ttgataccta attaacctcg agctcttgta ctctcgcctt ttttcacttc 250  
ttactctcg cagcattcct ccttagtacc ttctgtatgt acactacgtt 300  
gacagccatg actggatggt atatggacag gaattccatt gctgtgctgg 350  
gagtagcaga tggggctatc ttaggctggc ccttcagtgc agctcttggt 400  
ttacccatcg cctttgattt gctggctcag aaacacaggt ggaagagttt 450  
cttccatggg tctctgatgg cctccatact atttctggcg cctgtggctg 500  
ctartgacag ctactattat gggaaagttg gtgattgcac cactcaaat 550  
tgttttgat aatgtcttta ctctcctggg acctgatcct tatggtagag 600  
aacctctgta tttctattta attaatggat ttctcaattt caatgtagcc 650  
tttgcttggg ctctcctagt cctaccactg acctctctta tgggaatact 700  
gctgcagaga tttcatgttc agaatttagg ccacccgtat ttgcttacct 750  
tgggtccaat gtatatttgg tttataattt tcttcaccca gctccacaaa 800  
gattgagagat tttcttccc tgtgtatcca ctatatgtc tctgtggggc 850  
tggggctctc tctgcacctc agaaatgcta ccactttgtg tttcaacgat 900  
atcgccctgga gcactatact gtgacatoga attggctggc attaggaact 950  
gctctcctgt ttgggtctct gtcattttct cgtctgtgg cactgttcag 1000

<210> 144  
<211> 612  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 49, 66, 73, 81, 91, 217, 318, 447  
<223> unknown base

<400> 144  
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tgagaggttt cttttccttt ttctgacaag tattgoggaa tgttgcagca 150  
 actcttact ctcttttggg ttigtcttc acggtttctt ttgttgcctt 200  
 ggggtgtctc aacactntgc aagttttact tgcaggggta tcagcttctc 250  
 atgaatgac ctgccatgaa tgggggcacg acagaaggag taacgtgtt 300  
 aatcttggca gtgcagantg ggtgataga actgcagggt gttcctcggg 350  
 catttttgt cagtattatc ctttctcctg tegtacgttc tatctacag 400  
 tctatgttag aaattgcaga tctattgtt ttggcactgg gagcatntag 450  
 agacaagagc tcttggaac acctcctgct tgtaagcctt tgtttatttt 500  
 tctgggtatt cctgtcttat atggcttata tgatttgcac gttttctcac 550  
 atggattttt ggtctcttat cattatttcc agcagccttc ttactctct 600  
 ttaggtcttg gg 612

<210> 145

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 115, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356

<223> unknown base

<400> 145

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 gctctgtcca tggataggcc agacctttgg tccagaaatt cagtttttca 100  
 ttgtgtctga catagngact ccataatgtt ggttccatto tcttttcttc 150  
 ctcaanacca tgtgttttgt gggctcttgt ttgttttgt ttgttttgt 200  
 tttgttttgt ttttggtaga gttggagctt tctgtgtgtg cccaagntga 250  
 tntccaatcc ctgacctcaa acaggtntnt cactttggcc tncaaaagt 300  
 ttgttgactc aggngtgaac cactccccc agccaagntc acattttgaa 350  
 tctaancttt tttttgaaac agtgccttgc attgtttgcc aggttggaat 400  
 gtaagtgtgc catcatggct cactgcagcc tcaacttcc 439

<210> 145

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 142

<223> unknown base

<400> 145

ggcagtctcc tagctgtctc tacacactgc atagctgtgt gtgagtactc 50

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 gccctgtatg aggaatgctg caacggatct ggaatgaac cttcaaaaat 150  
 aaagtgattg ctccagtcctc ttgggatttc tggcgagacat atgaaacacat 200  
 acataggcat ggctgggaac caacccggta caaaaaataa aggaaatgac 250  
 ccggcaggac ctgcagcccc aaaaagatgc ggcttcctcg gacgacacag 300  
 gccccggaca ttatgctgaa gaagacaaat caggaagctg agcaaatcct 350  
 gctccagaca caaacacacat tcactccaga taatctgttc ctgctatgc 400  
 cctccgttgt acattgcaac actcacaggg tattggtttt tcttattctc 450  
 tcactctgac tgcgaactcgt acctgttac 479

<210> 147  
 <211> 276  
 <212> DNA  
 <213> Homo Sapien

<400> 147  
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 ttttgtttgt tttaaatgta aattgagaat cttttataag aaataaaagc 100  
 atttctgggt gccctgttt gtaaaacaaa aagtaataaa tgaatcccta 150  
 ttttcacatt atagtattta ttgtattctt atgtctgaa aattacccat 200  
 ggaacaaatc gcttaggatt acaggaagca gtccttaact acactttctg 250  
 tctcttttag gtgtacttgt taattc 276

<210> 148  
 <211> 451  
 <212> DNA  
 <213> Homo Sapien

<400> 148  
 gttctatact aatcaaacat ttgcaaacct gttctctga tttaatctag 50  
 aacaaccca tttctgtgta tagtacact cacacaccta tattggcttg 100  
 gtataataac ttccaaactg gcttttgtct cagccatggg cagtttctt 150  
 tctcacatc catctggcct caggctcccc tggagtcttc cttctctcag 200  
 cagtcctctt ctgtctttgt atatctccag gctttagcaa taagctcaat 250  
 ctattctctt tcttttgatt tcacttttta aattaaagta ttgtaaaact 300  
 ggctttctgg tgcacagttt tgagaatttc agtacatgaa cacatttgtg 350  
 ttcacaccac cacaatcaag acagaggggc gttttattgt ccccaagct 400  
 ccaatgcta tcttttcagg tctacttctt ttttactgtt tttgtaatca 450  
 c 451

<210> 149  
 <211> 268

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 167, 213  
<223> unknown base

<400> 149  
agaataattt tttaaacaca aattcaccat gtttctctac taacttggaa 50  
tgcttaatgt gttcccatgt tacctagaat aaatccaaac ttactttcca 100  
gggtctgtct tccaaagtgt acatgacctg gcccatagcc acctttctaa 150  
actcgtcaca tccattntcc tcattgtctc tgggtgtgtg gacagtctgg 200  
ttcttttctg ttntcttcca ctaccaagct catccacact gcccttttcc 250  
caaggccctt cctacac 268

<210> 150  
<211> 749  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 73, 99, 114, 127, 132, 222, 373  
<223> unknown base

<400> 150  
cttaggttagg gtccttaaag gaacttactt tggatttatt ggaaaaatta 50  
ttgtgggac cttaccatt gngaaattat ttttagaggc ttgtaaaant 100  
ttaaagttca gatnttattt gccttgntaa tntatttaac tttatggaaa 150  
gtatttactg cttctgatca ggattttttg tttgtgtctc aagtaaaagt 200  
cactaccagt gtcactattt gntatggaag ccacaaaacct tgtagtcat 250  
tcttaattat tttctttctt ttatttttcc attccacat tcccttctca 300  
tcctctttta attcattagc aagtatgtct ccagttctgc ttagtcogtc 350  
tctctctctc castggtaaa cntagccca aacctcttc atctcttctc 400  
tgtactaacg caagagcccc ttaactggta tccctcttc catttcttga 450  
tctactaaaa tccataagcc acatagtggc tagaataatt ttttaaacad 500  
aaattcacca tgtttctcta ctaacttggc atgcttaatz tgttcccat 550  
gtactagaa taaatccaaa cttactttcc aggtctgtct ctccaaagt 600  
tactgacct ggcccatagc sacctttctc aactcgtcac atccattctc 650  
ctcattgtct atgggtgtgt ggacagtctg gttctttct gttcttctcc 700  
actaccaagc tcattcacac tgccctttt ccaaggccct tccctacac 749

<210> 151  
<211> 105



<212> DNA  
<213> Homo Sapien

<400> 151  
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catccangga taaactatta cttttcttat ttttctttta ctatacaatt 100  
aagaa 105

<210> 152  
<211> 681  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 17, 77, 95, 135, 166, 178  
<213> unknown base

<400> 152  
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tgaatttggg aaacctggac gtatatntaa actataactt ttgantatga 100  
catataactt ttatttcttg tatttttagaa aaagngacca tgttgtgatg 150  
cnaatcattg tgcctntgca taccagntg aatgtctgtg gaaactcagt 200  
tattctttta aatagttatt atcagagata taattattta caaagtagtt 250  
tttttgnttg taggtaaact attatagatt ttgctgtctt cccaaactgtt 300  
ttcttggtgt atattttgaa aatataaacc ttaaatgtta gaacaaagaa 350  
aakaaangca aaacctgaaa accttaactg tgcttgtaaa catttaaaat 400  
atttctgtta gttctcttca attgagtaag agaacctggc ttccccacag 450  
caatgaacca ggcttggta ataccccccct ttatgtctct gtaactctgc 500  
cattctaaag ttgatttatt gtttggtaact tttagtgaat ttaagtgcct 550  
aatgaagttc ctgggcttct tcatggcttt tcatttccaa cttaaattac 600  
tagctctctt ttaaatgtct tccacctta c 631

<210> 153  
<211> 522  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 44, 57, 65, 173, 183  
<213> unknown base

<400> 153  
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ggagcantga aatgnatata cttgctgttc agtattttca agtaccactt 100  
tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

cocttagtgt atgtgtttta atnttagaaa atntggcata tgtactttat 200  
 ttttgaaaag ggaagagatg ggtgtggggg ggcaatagca ttgtgccatt 250  
 ttgtcataga atgtaaaaat tgggttaactt tacaaatgtc agctagtttt 300  
 gactactaat tggggggaaat tttagataat ttttaaattc aaagttattt 350  
 ataaaaatgc agaatttgtt ttaatttttt tgtattttga gccacttcac 400  
 atgaagactc agttgcattt ttatcgaata cattttttatc aacagttaaa 450  
 gactatgggtg gtttttttca gagtttggct aagaatgttg ttaccatctt 500  
 ctttgtttgt ggtacaatat tt 522

<210> 154  
 <211> 672  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 34, 65, 94, 147, 152-153, 156, 179, 222  
 <223> unknown base

<400> 154  
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 ttttttgggt tgcnttcaaa gtaaaaagtc cttaccagtg tcantatttg 100  
 gttatggaag ccaacaaacc ttgtagtcac ttcttaatta tttttenttc 150  
 tnnntantct ccattccac attccccnt catccccctt taattcatta 200  
 ggaagtatgc tgcagttct gnttagtcgc tctctctccc tccactggta 250  
 aagctatgac caaacatct tcattctctt atctgtaacta acgcaagaga 300  
 cctttaactg gtatccctcc ttccattctt tgatctacta aaatccatac 350  
 gttacatagt ggctagaata attttttaaa cacaaattca ccattgttct 400  
 ctantaactt ggaatgctta atgtgttccc attgtacctt gaataaatcc 450  
 aactttactt tccagggtct gctctccaag ctgtacatga cctggcccat 500  
 agttaccttt ctaaaactgt cacatccatt ctcttcattg ctcatgggtg 550  
 ttttggagagt ctggttccct tctgttcttc tccactacca agctcattca 600  
 tactgctctt tttccaaggc ccttccctac ac 632

<210> 155  
 <211> 558  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 27, 61, 91, 96, 108, 120, 157, 393, 478  
 <223> unknown base

<400> 155

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 aaggaggttg tgcaacatgn ccagattaca atggatggtt gtcctgtaag 150  
 ccaganttat ttttcttttc tggaaagaat tggcatgaag cagattggag 200  
 catgtctctc ttcctgtcca agtggatatt atggaaactcg ataccagat 250  
 atcaataagt gtacaaaatg caaagctgac tgtgatactt gtttcaacaa 300  
 aaaaattctg acaaaaatgta aaagtggatt ttacttacac cttggaaagt 350  
 ggcctgacaa ttgcccagaa ggggttggaa ccaacaaaca tantatggag 400  
 cctgctcagta ttgtgcactg tgaggctcagt gaatggaaac cttggagctc 450  
 atgcacgaag aaggggaaaaa catgtggntc caaaagaggg aatgaaaac 500  
 ggcctcagaa aataatacag cctccttcag caaagggtta cctatgtccc 550  
 ccaacaaa 558

<210> 156  
 <211> 595  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 4, 6, 29, 42, 55, 57, 70, 92, 115, 118-119, 595  
 <223> unknown base

<400> 156  
 atcmangtgg atgcagctct cattgacana agtaacctgg anacactcc 50  
 ggacnancoc cgtctgcatc gagcctggcg gggctggctt cngctctgg 100  
 gtcctctaca cttctctnnt tccctcttga tgtttgggtt tccacagtc 150  
 ctgcctccgc actcagacc ccgcctggaa agcgagcagg ccatgctctc 200  
 cgaagagaaa taagagagac ccaagcccag caacgggggc ctgagggacc 250  
 cctcggagcc agacagcagt ggcctctgtt tccagcagct gagagtgatc 300  
 ccgaagggtc ccaagcact gctctcaaac cctgtgttca cctgcactat 350  
 cctggccgcc tgcctggaga ttgcagtggt ggcctggctc gctgccttt 400  
 tggggaagta cctggagcag cagtttaacc tcaccacctc ttctgcaac 450  
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 ggatggccat gctcgtcaac ctgggtgtca ctgcttctc cgtctccttc 600  
 ctcttctctg gctcgcacac ttggcctctg gctgggggta ctgttccct 650  
 tggaaacagc acagcactg gtcagccct ggacccctac tggcc 695

<210> 157

<211> 574  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 53, 56, 73, 85, 90, 124, 216, 429, 444, 474  
<223> unknown base

<400> 157  
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tttcattgggc taaacagtac attingagtga aattctgaag aaacatttta 150  
agaaaaaaca gtggaaaagt atattaatct ggaatcagtg aagaaaccaa 200  
gacaaacacc tcttanticat tattccttta catgcagaat agaggcattt 250  
atgcaaatgg aactgcaggt ttttcagcat atacacaatg tcttgtgcaa 300  
cagaaaaaca tgttggggaa atattcctca gtggagagtc gttctcatgc 350  
tgacgggggag aacgaaaagt acaggggttt cctcataagt tttgtatgaa 400  
atatctctac aaacctcaat tagttatant gtacactttc attntcatca 450  
aactgagac tctctgtct cactacaaa tggggaaact ttacattggt 500  
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gttaaattta tgtttcaatt ttat 574

<210> 158  
<211> 779  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 19, 58  
<223> unknown base

<400> 158  
ctaattctat caaaggccnt ttttccaaa gccatccatc atcccattat 50  
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atcctgggat ttcccttcat ctttctgtat tagacctct gtttcttgga 150  
acctatgtca tccatcttga tgtactccct tattttgata gtgtatatcc 200  
tttagtggct tcttaagaaa aagtgcctag atagtaaaat tttgagacct 250  
tgcatagctg atagttttcat tctaacttca ctcttggttg attagtttaa 300  
cagggtagaa aatttcaggt tgaataccag tttcttccag tatttgaagg 350  
tgttatttta ttgatttcca actttcaaca ttgctgttga aatctgaagt 400  
tattctgatt ctgacttttt gtatataagt ctttatgacc tctaaaagtt 450  
ttcagaattc tgtttgttta tggaaattctg aaagttgatg atgtaccata 500

gtggaatact tttacattta ttgtactggg tattccaaag gcccttttta 550  
 tccaaaaaact catgtctttt agtgotggaa atttttcttt tgttattttc 600  
 atatttttct tccctttttt totctttttg ctttctggaa tgctgttgg 650  
 tcaaatgtca gattttctga ctcatctat acaattagaa agcacacca 700  
 agtttcactg tggaaactact ccagtgaacc cttcagtgtg gtcctctctg 750  
 ggcagagata ctatagattt actgctaag 779

<110> 159  
 <111> 359  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 39, 60, 91  
 <123> unknown base

<400> 159  
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 agaggaattt accacgaaac ctgagaacat ggaacactgt tactataaag 150  
 gaaacattct aatatgaaaag aattctgttg ccagcatcag tacttgtgac 200  
 ggggttgagag gatacttcac acatcatcac caaagataac agataaaac 250  
 totgaaaagc acagacgaga aagaacatgc cgtctttaca totaaccagg 300  
 aggaacnaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350  
 aaacaagg 358

<110> 160  
 <111> 362  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 22, 55  
 <123> unknown base

<400> 160  
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 agcaaacacc tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150  
 cacattttac acaaaagaga gatcaagaac aaccagacag aaaagcatgg 200  
 caaagaggaa aggtatgaac ctgaagttca atatcagatg atcttaaatg 250  
 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300  
 gactacactg aaacattgta ctcaccaga ggagaggaaa ttaccacgaa 350

acctgagaac at 352

<210> 151  
<211> 419  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 150  
<223> unknown base

<400> 151  
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ccctcattac ccttaccgac gtgcaaaagg aggaggcgcg gcaagacgtg 150  
gagcccttccn tgagccgcac ggtcagaact cagatactga ccggcaagga 200  
gcttccgattt gccacccagg aaaaaaaggg ctctcttggg agatgtatgc 250  
tccctctctt aggccttcca ttcattcttg caggacttat tgttggtgga 300  
gcctgcattt acaagtactt catgcctaac agcaccattt acctgggaga 350  
gatctgtttt ttgtattctg aggatctctc aaattccctt cgtggaggag 400  
agcttaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450  
aacattgaa tcattgatgc gctgtccc 479

<210> 151  
<211> 307  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 55, 204  
<223> unknown base

<400> 152  
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cgacacatcc attgntggtg gccacagccc tgcctgtggc tttactatct 100  
acattgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150  
cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200  
ctcttagag atcaccaca catgagaaga atacgatggg agcacaagag 250  
gcacacatat atgtgaagac tgtagcagga agcgaggaa cgtgtcatga 300  
cccttat 307

<210> 153  
<211> 502  
<212> DNA  
<213> Homo Sapien

<220> unsure  
<221> 188  
<222> unknown base

<400> 143  
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cagggttaata gctggcagaa ctgagttaag gggtgcccc tttagatgag 150  
gcatatgttc tcccatcttc cacagttcac actatgontg cttatctctt 200  
actgataatta gatattagta atagtcacat ttatgcattg tctttattta 250  
aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300  
agagaagagg attttacttt gccctactca attccttgat atcatctgca 350  
tggttaagag gtgttggagc tggctaatac tgaattatga gagcatattg 400  
ttaaatatte aggaatttta ccagcagcaa ccaccattgg tagattggaa 450  
tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500  
tc 502

<210> 144  
<211> 238  
<212> DNA  
<213> Homo Sapien

<400> 144  
tttcaaaaaa aaaaaagtcg ctctagttaa taacacataa cttttgtttt 50  
ataacccaat gttacagtcg ctctcttata ggagaaccca atccattcag 100  
cttatcagtg atatgcctgt ttttgtgtgt tocatcggac ttgttttctt 150  
ctttcagatc ttgttatgtt ttccaccttc tcaattttct tacatttggt 200  
ggctctctca agctttctgt tattcccttc ctccctcc 238

<210> 145  
<211> 702  
<212> DNA  
<213> Homo Sapien

<400> 145  
cccgctgttc gggcactgtc tatatacgcc taacacctac atatatttta 50  
aaaacattaa atataattaa caatcaaaaag aaagaggaga aaggaaggga 100  
agcattactg ggttactatg cacttgcgac tgattctctg gctttttatc 150  
attttgaact ttatggaata catcggcagc caaaaagcct cccggggaag 200  
gcgcacagga agaatgcac ctaacgttag tcaaggetgc caaggaggct 250  
gtgcaacatg ctacagattac aatggatgtt tgtoatgtaa gcccagacta 300  
ttttttgttc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

ttcatgtcca agtgggatatt atggaactcg atatccagat ataaataagt 400  
gtacaaaatg caaagctgac tgtgatacct gtttcaaaa aaattttctgc 450  
acaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500  
ttgcccagaa ggggttgaag ccaacaacca tactatggag tgtgtcagta 550  
ttgtgcaactg tgaggtcagt gaatggaatc cttggagtc atgcacgaag 600  
aagggaaaaa catgtggctt caaaagaggg actgaaacac gggtcggaga 650  
aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700  
ag 703

<210> 166  
<211> 365  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 23, 34, 93, 126, 145, 151, 161, 195  
<223> unknown base

<400> 166  
ggattacaac ccccgaggag gcgcctnta tacntggaac aacggccacc 50  
aggtgctata caatgtcacc ctgtttcag tcacagcac ctntgggggc 100  
cctttccatt cgtgcctgtg tcccncaag ggtgatctct atgtntatgt 150  
naccgccttt ntcccgcct ttttgcctgg cttttgtct ctgcntatgt 200  
atttcgtct atttttcaa tttccctct tctctctat tgatctctgc 250  
ttttaataca ccactcttt cttctgcct ttttatggat gtctttttct 300  
tttatggct cgggtctct agttcttct gtctctgcct ctctctgtct 350  
ctctctctct gtct 365

<210> 167  
<211> 452  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25  
<223> unknown base

<400> 167  
tcagcaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50  
atttatcagg aaagaaagaa agaaaaaac cgaacctgac aaaaaagaag 100  
aaaaagaaga agaaaaaaaa tcatgaaac catccagcca aaaatgcaca 150  
attctatctc ttgggcaatc ttacggggc tggtctctct gtgtctcttc 200  
caaggagtgc ccgtgcgcag cggagatgcc acctcccca aagctatgga 250



caacgtgacg gtccggcagg gggagagcgc caacctcagg tgcactattg 300  
 acaaccgggt caccggggtg gctgggctaa accgcagcac catcctctat 350  
 gctgggaatg acaagtgggtg cctggatcct cgggtggctc ttctgagcaa 400  
 cacccaaacg cagtaacgca cagagatcca gaacgtggat gtgtatgaag 450  
 ag 452

<10> 153  
 <11> 443  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 24, 110-111, 122, 134, 275  
 <23> unknown base

<400> 153  
 ggagtggtt cccctactgc gtgntttgac gccatcccg gtgctcagc 50  
 gggttttccc ccctcctcgg ccacatgggc atctgcacat ccacaggagt 100  
 catctgggan ntccggggcc cttactttgt ctccaggagc aacatggcct 150  
 ttggaaagcc tgcacaagta tggagttgg accctgctca ggtctatgct 200  
 agcgggcccc acccatggga caccgctgtg caagcagcct ctgaggagta 250  
 caagcaacgc atgcacaatc totgntgtga caactgcac ccgcacgtgg 300  
 catctggcct gaatctgatg cgtacacaca acagcaccac ctggaatatg 350  
 gtgacgtctt gctctctctg cctgctctac gggaagtaag ccagcgttgg 400  
 ggctctctgt aagacctggc tgccttccat cctctctctg ggc 443

<10> 159  
 <11> 319  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 54, 163, 203  
 <23> unknown base

<400> 159  
 tgggagatgt atgcttactc tccctagcct ttcattcacc ttggcaggac 50  
 ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100  
 atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaatcc 150  
 ccttcgtgga ggnagaccta acttctctgc tgtgactgag gaggtgaca 200  
 ttngtgagga tgacaacatt gcaatcattg atgtgcctgt cccagtttc 250  
 tctgatagtg accctgcagc aattattcat gactttgaaa agggaatgac 300  
 tgcttaacct gacttccag 319

<10> 170  
<11> 383  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 87, 117, 120, 124  
<23> unknown base

<400> 170  
ggaagcgaag gaggaagatc taccacagaa ggttgaggaa aagttcaacc 50  
tccacacagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100  
tttccacca gtagcangan ttctatttgt taactttgat tatagcatgg 150  
aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200  
aatgtgtac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250  
gtacaaaata gctgtgtggt cgcctgagcc ctgcactacc tgccctctgt 300  
cagatggaaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350  
ccccaaaacg ttatacctga aggggaatgc tgc 383

<10> 171  
<11> 535  
<12> DNA  
<13> Homo Sapien

<400> 171  
cttccatttg ctggaggaag cctaaggaac ccaggcatcc agctgccac 50  
gcttgagtc aagattcttc ccaggaacac aaactgttaga gacccacgt 100  
cttggaagca ccagccttta tctcttcacc ttcaagtccc cttctccaag 150  
aatctctgt tctttgccct cttaagtctt ggtacatcta ggaccaggg 200  
atcttgttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250  
ttctcttat gtttggctta ctattgcatt tagaagctgc aacaaattcc 300  
aatgagata gcacctctgc caacactgga tccagtgtga tctccagtgg 350  
agcagagaca gccaccaact ctgggtccag tgtgacctcc agtggggcca 400  
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450  
gtcaccact ctgagttcca tacaacatcc agtgggatca gcacagccac 500  
caactctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550  
ctgagtccag cacaacctcc agtggggcca gcacagccac caactctgag 600  
tccagcacc cctccagtgg ggcagcaca gccacc 636

<10> 172  
<11> 430  
<12> DNA  
<13> Homo Sapien

<220>  
<221> unsure  
<222> 21, 99, 152  
<223> unknown base

<400> 172  
taatttgctt tggaggaagt ntaaggaacc caggcatccc agctgcccac 50  
gcttgagttc aagattcttc ccaggaacac aaagtagga gacccaagnt 100  
cttugaagaa ccagccttta tctcttcacc ttcaagtccc cttctctaaag 150  
aatctcttgt tttttgccc cttaaagtctt ggtacatcta ggaaccagga 200  
attctgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250  
ttctccttat gtttggctta ctattgcatt tagaagctgc aacaaattcc 300  
aatcagacta gcaacctctg caaacctgga tccagtgtga tctccagtgg 350  
agccagacaa gcaacaaact ctgggtccag tctgaacctc agtggggctc 400  
gcaacagcac catctcaggg tccagcgtga cctccaatgg ggccagcata 450  
gtacccaaact ctgagttcca tacaacctcc 490

<210> 173  
<211> 330  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 9, 43, 51, 54, 120  
<223> unknown base

<400> 173  
gacaaaagnt catttgtaaa gaagctccct ccagcacctc ctntttcttc 50  
nttttgccca aactcaccca gtgagtgtga gcattttaag aagcatcttc 100  
tgcccaagac caaaaggaan gaagaaaaag ggccaaaagc caaaatgaaa 150  
ctgatggtac ttgtttccac catggggcta accttgtgtg taggagttca 200  
agccatgctt gcaaatcgcc tctcttgcta cagaaagata ctaaaagatc 250  
acaaactgtc caaccttcgc gaaggagtag ctgacctgac acagattgat 300  
gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350  
ttactgtaac ttcagogaat tgctctgtgt cccaaaaaac 390

<210> 174  
<211> 451  
<212> DNA  
<213> Homo Sapien

<400> 174  
gtttggtaag actccagact ccagctaaca gtccctatgg aaagatggca 50  
tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100  
ttcagtgagt aattttggat ttgcaagggt gcatttttac tattgttaca 150

ttatgtggaa aacttatgct gatttattta agggggaaaa agtgtcaact 200  
 ctttgttatt tgaaaaacatg tttatttttt ttgtctttat tttaaccttt 250  
 gatagaacca ttgcaatatg ggggctcttt gggaacggac tggatatgaa 300  
 aagaaaatcc attatcgagc agcatcttat ttacccctcc cctatcccta 350  
 ggcacttaac caagacaaaa agccacaatg aacatccctt tttcaatgaa 400  
 ttttataatc tgcagctcta ttccgagccc ttagcaccca ttccgaccca 450  
 g 451

<110> 175  
 <111> 692  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <211> unsure  
 <212> 17, 42, 97, 173  
 <213> unknown base

<400> 175  
 tggatttggat ggattgnttg aacggattgg gtggggggaa gnaaaggaggaa 50  
 aggaggggaga aaggaggaggaa taactgggct ccattctttg agagctnttg 100  
 gttggggcaag ggcagaaaaa aggcctacag tggccaaccc cggacacct 150  
 caggaagggt ccgaaagtca ctcttggtgg ctccagattg ctcttttagga 200  
 cctggaggga cagaccaga atcaggggtc cctcctttac cccctgagtt 250  
 ccttactggt cccccaagcc tgggagcagt ctatccccc aacctggcat 300  
 ctcccttact cctccctct ccacagcttc cctctcttag cccctctgc 350  
 ctccctgct ttcctgagt gtttgagggg agagagagac ccacatctcc 400  
 aaaaagagat gagcttttgg ggcacaacat cccacggcag gcccctcac 450  
 agcacaacac ctcttacctg gccccttgcc aaatcccaag cagaatttagc 500  
 aacaggaaaa gcagagccc aggagagaca ctctactata tatactcttc 550  
 tatatatct gtttctatg tatattcact ctgtacatgt ggggtgaaat 600  
 cctgttaaat gacaaaacca atattatact ggggtggtg gactattttc 650  
 atcctcagtg ctgtacagat ctattttcat tgtatatttg at 692

<110> 176  
 <111> 358  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <211> unsure  
 <212> 59  
 <213> unknown base

<400> 176  
 tggatggggcg gccagcgatg accccattga gaaggtcatt gaagggatca 50  
 aagaggggnt gagcaatgca gagagagagg tgggcaaggg cctggatggc 100  
 ataacacagt gaatcacgca tgcgcgaagg gaagtggaga aggttttcaa 150  
 cggacttagc aacatgggga gccacacogg caaggagtgc gacaaaggcg 200  
 tcaagggggc caacacaggg atggacaagg ttgcccata gatcaaccat 250  
 ggtatttgga aagcaggaaa ggaagcagag aagcttgggc atggggtcac 300  
 caagcgctgc ggacagggca accatcaaaag cggattttcc agccatcaag 350  
 gagggggc 353

<210> 177  
 <211> 450  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 49, 58, 74, 233  
 <223> unknown base

<400> 177  
 gacattccca gcaatatgca tcttgcaagt ctggctgggt cctgctccnt 50  
 cctctcgtta ctggggggccc tgtntggatg ggcggccagc gatgacccca 100  
 ttgagaaggt cattgaaggg atcaacccag ggcctgagcaa tgcagagaga 150  
 gaggctgggca aggccttgga tggcatcaac agtggaatca cgcctgcggc 200  
 aagggaagtg gagaagggtt tcaacgggact tagcaacatg gggagccaca 250  
 cgggcaaggc gttggacaaa ggcgtccagg ggntcaacca cggcatggac 300  
 aaggttgcgc atgagatcaa ccattgtatt ggacaagcag gaaaggaagc 350  
 aaggaagctt ggccatgggg tcaacaaagg tgcctggacag gtcgggaagg 400  
 aagagacaaa atgatccat catggggtcc atcacgggc caaccaggcg 450

<210> 178  
 <211> 489  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 8, 64, 66, 149, 302, 461  
 <223> unknown base

<400> 178  
 attgaatnac agtctctctg gttctctctg ggagtttttg ttttggtttt 50  
 tgagatggag tttngntnnt gttcccccagg ctggagtgct gtggtgcgat 100  
 ttoggettac cgcaacttct gcttccggg ttcaggcagt tttcctgct 150  
 cggcttctct agtggctggt attacgggca tgcacgctc cgcgccactg 200

gttttgtatt ttttttagtag agaagggtt tttcgtgtt ggtaagggtg 250  
gtctogaact ccggaactca ggtgatccgc ccgctcggc ctcccaaggt 300  
cttgggattg caggtgtgag ccacgtgccc cggctgtttt ttgtgggtt 350  
tttgttgtt tgtttgttt ttgagacagag tcttgccttg taactcaggt 400  
tggagtgcag tggcacagt tgggtcact gcaacctctg cctcctgagt 450  
tcaagccatt ttcctgcctc ggcccccctca gtagctggg 499

<210> 179

<211> 495

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 75, 212, 234, 497

<223> unknown base

<400> 179

gggagaaag taggggaggc cgtgtccgc cgggtggcg gttgctatcg 50  
ttttgcagaa cctactcagg cagccagntg agaagagttg agggaaagtg 100  
ctgtgtgagg gtctgcagac gggatggata acgtgcagcc gaaaataaaa 150  
cctggccctc tctgtctcag tgtgaaaggg cactgaaga tcttggggct 200  
ggcactaact gngacatcta tgacctttt tatnatcgca caagcccttg 250  
aacatataat tgttatcact ggatttgaag taacggttat cttatttttc 300  
ataatttat atgtactcag acttgatoga ttaatgaagt ggttattttg 350  
gaccttgcct gatattatca actcactggc aacaacagta ttcctgtcca 400  
tgttatctgt gttggcactg ataccagaaa ccacaacatt gacagttggc 450  
ggaggggtgt ttgcacttgt gacagcagta tctgtnttg ccgac 495

<210> 180

<211> 550

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 12, 25, 65, 130, 437, 537

<223> unknown base

<400> 180

gggaggctgt gncgctttt tttnttggc taaaatcggg ggagtggagg 50  
ggcccgccgc ggcngacac cgggttcggg gaaccattgc aagaagggt 100  
ggactgacct gaaaaaaaaatg tttggatttn tagagggtt gagatgtcca 150  
gaatgcattg actgggggga aaagcgcaat actattgctt ccattgctgc 200  
tggtgtacta ttttttacag gctgggtggat tatcatagat gaagctgtta 250

tttatccac catgaaagat ttcaaccact cataccatgc ctgtggtggt 300  
 atagcaacca tagccttctt aatgattaat gcagtatcga atggacaagt 350  
 ccgaggtgat agttacagtg aagggttgtct gggtcacaca ggtgcctcga 400  
 tttggttttt cgttggtttc atgttggtct ttggatntct gattgcctct 450  
 atgaggatct ttttggagg ttatgttgtt aaagaaaaag acatagtata 500  
 cccgggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550  
 tg 552

<210> 181  
 <211> 690  
 <212> DNA  
 <213> Homo Sapien  
 <220>  
 <221> unsure  
 <222> 18, 97, 89, 97, 127, 148, 170, 221, 232, 357, 426, 478, 561  
 <223> unknown base

<400> 181  
 ttttttttag agattccttt ggaccttgac ccaagggttt ccacagggtt 50  
 ttttttgaat tttggaacag acctttatat tttgggncna gaagttingcc 100  
 cagaaagcag caggggtttt gcttggttgt agagccagct tcattggntg 150  
 ttcctggggtt tgtttctctt ttccagtag ttgtgccttt tttcagatca 200  
 ggttaccaca atgtcccccg ntgtgacgtt tnatccccc cactccagc 250  
 ccaggttacc tggagttttt cagaacccac tttgcctgtg ttaaacaca 300  
 agaggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350  
 gtcaggntga aagacaagtt ccgggtgtcc aggggtgac gggccacaca 400  
 tgtggcaggt cccaggcccc acccattgg ccctccgctt ctgagctcca 450  
 cagtggctcc actaatggga acctcctnta gggagagtga tactgcacct 500  
 tcaaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550  
 ggccttggtt ntagatgtaa atggtcacaag aaacaagcgt tttattgttt 600  
 tgaataaaat agttcaaatg agtctgtat cattgtatct cctattctgg 650  
 attagtgcct tttggacagt agactgttct gtaattaaaa 690

<210> 182  
 <211> 468  
 <212> DNA  
 <213> Homo Sapien  
 <220>  
 <221> unsure  
 <222> 59, 95, 149, 331, 364, 438, 446  
 <223> unknown base

<400> 182  
 aatttttacc ggtgtaggaa tccagatgca ggccaagtae agcagtaaga 50  
 gggacatgnt ggtatgatgat gggacaccac catgagcctg cattntcaag 100  
 cttttgacac aattgggcac ccagagcccc ggccgacaga gcaacagggnt 150  
 cttttttcaa cgtggggacc agtggccctg accctgctga ctttggctt 200  
 ggttctgtgt atagggtgtg cagccctggg gcttttgttt tttaagtaet 250  
 accagctctc caatactggt caagacacca tttctcaaat ggaagaaaga 300  
 ttatgaaata cgtcccaaga gttgcaattt nttaagted agaataataa 350  
 gtttgacga agtntgcaga atgtggctga aaaactctgt cgtgagctgt 400  
 ataccacaagc tggaggaact ttgaaggagc gcaagatntc ctcatntact 450  
 ataccacacac cacttccc 463

<210> 183  
 <211> 227  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 21, 50, 84, 90, 111, 131, 154, 174-175, 189, 201  
 <223> unknown base

<400> 183  
 tccagatg agagagatcc ntggatatgc tgggaaccagc cgggctgan 50  
 gttgaactgg ggtgaacaga tgcactggca cctngacatn tacaacagga 100  
 accgtgtgga nacatcccc acacctgttt ntgggaatgt catgtgtatg 150  
 caattctctg gtttctgggc tttnttgata tccatgtgnt ggggtggggga 200  
 ngttatcccc gtctaccaga ctgtggg 227

<210> 184  
 <211> 474  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 33, 105, 126, 184, 199, 206, 213, 236  
 <223> unknown base

<400> 184  
 gaaagaagga aataaacaca ggcacccaaac cantatctta agttgaactgt 50  
 cctttaaaata tgtcaagatc cagacttttc agtgtcactt cagcgatctc 100  
 aacgntaggg atcttgtgtt tgcgntatt ccagttgggtg ctctcggaac 150  
 taccatgaga agaagatgaa atgtgtgtaa attntaatga ccaacacnt 200  
 aatggntggt atatctgnat cctcctgctg ctggtnttgg tggcagctct 250  
 tctctgtgga gctgtggctc tctgcctcca gtgctggctg aggagacccc 300



aaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350  
 aactctatatt atgggacaga agcagctgtg agtccaaactg ttggaattca 400  
 acttcaaaact caaacccctg acctatatcc tgttcctgct ccattgttttg 450  
 accctttagg ctccctctct cctt 474

<110> 185  
 <111> 340  
 <112> DNA  
 <113> Homo Sapien

<400> 185  
 caaaacggcg gtctttctct agacgcgtct tgctgggaga gtgtccgttg 50  
 ctccctctcc gtgtcgcggc cctgcgggtg ggggctctct cgtggagcgg 100  
 tggaaaggctg agatctgtat ctgtggacct gaatgttgat cctcgccttc 150  
 agattgacat acctgatgcg ctcaagtgaga gagacaaagt caaatttaca 200  
 ctgcacacaa agaccacact gccacgttt cagagcccag agttttctgt 250  
 caaagggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300  
 caaagactta tgggtgggctt attattccac ctgctctttg 340

<110> 186  
 <111> 411  
 <112> DNA  
 <113> Homo Sapien

<400> 186  
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 aactaactgga acagctcaac gcaatggggg tcttaaaccg tgaagcaaac 100  
 ttggaaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaag 150  
 cctctctgggc tccagaccat cgtaatcaca tttctgtacc tggaaaaaaaa 200  
 tgtatcttat ttttgataat ggctcttaaa tcttttaaca cacacacaaa 250  
 atcgtttttt actttcattt tgattctttt aaatctgtct agttgtaagt 300  
 ctatcargat gcattttaag atggagtcac tccctctac tccctcact 350  
 cctttttccc tttgcttatt tttctacct tcccttctct ttgtctcccc 400  
 actccctcc c 411

<110> 187  
 <111> 277  
 <112> DNA  
 <113> Homo Sapien

<400> 187  
 ctttagcataa acctacaggg ccttgtgtga tgggactcct gcccaattga 50  
 catgttagtt acttgccctt cgttgcttcg tgctttacct tccagaatca 100  
 ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200  
 cgcccgata atatatatct ctaccatcat acttcatata ttttggtata 250  
 attgctgggtt ttatttgcct ctgtgggt 277

<210> 188  
 <211> 234  
 <212> DNA  
 <213> Homo Sapien

<400> 179  
 aaaaattctg gttttttttg ggtttttttt ttgctgtgcc ctagaccatt 50  
 acataaactga agactccac cttcaggcag gtttgggtag tacacgtttg 100  
 caaataactg gcattgcctt ttgttgaagt aatttcagtc tttattagta 150  
 gtaataatag tatactttgg gttctacagt atatgttca aatgtgcagg 200  
 tttgttatat atgtatacat gtgccatgtt tgtttgctgc acccattaac 250  
 tgggcattta cattgggtat ttctcctaact actatcccc ccgc 294

<210> 189  
 <211> 398  
 <212> DNA  
 <213> Homo Sapien

<400> 189  
 gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50  
 actttttctag agttagcttt ttctctcctt cttgttccat gacttaaaaa 100  
 taataaactg ttgggcctgg tgctcattc ttgtaatccc agcactttgg 150  
 caggctgagg cacttggtgc caggagttca agactagcct gggcaacgta 200  
 gtagatgccc tccccgccac catctctaca aaagaaaaaa agttaactct 250  
 tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300  
 ccattaactc ttcatttact gaacatctcc ttatgtttca gatgctgcaa 350  
 agatgtacaa gactttgttt cctaccctcc ttttt 385

<210> 190  
 <211> 134  
 <212> DNA  
 <213> Homo Sapien

<400> 190  
 tggcaatcgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50  
 ttaaaagtgc tgttttaaaa gctctaatta tggtagtatt tccatttctt 100  
 tttaaacac cctttatttt gttcctccag gttc 134

<210> 191  
 <211> 245  
 <212> DNA  
 <213> Homo Sapien

<400> 191  
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 atcttgcaga actagagtac aatatcacag ccaggatgtt gacottgata 100  
 cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150  
 gtgtgtgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcatg 200  
 tatctccac cacagccaac acacagaaca gttccatctc ccttc 245

<210> 192  
 <211> 323  
 <212> DNA  
 <213> Homo Sapien

<400> 192  
 ggtttcgcga tgttgcccaa gctgttcttg aactccggg ctcaggatgat 50  
 ccgctccct cggctccca gagtgtctggg attacaggca cggaccacca 100  
 tgcacagctt ccacatcttt ttttgcactg tgtatactct tctgagacat 150  
 gccaacttcc tccaggtcaa gaaaggggta tatagctctc agcttcactc 200  
 tttcaggggt gatgtgcct ttgccttttc tcaacttact gacctgtcta 250  
 ttctacaac tgtctcttcc tagagaagcc tcaatgatca ggattgacag 300  
 gccaacttct cccccactt tct 323

<210> 193  
 <211> 481  
 <212> DNA  
 <213> Homo Sapien

<400> 193  
 cagcatgagc tccctgtgtg tgcaaggcag ctctatgcgg ttctcgggtg 50  
 ctcttaggaa gcaactttca gtacctctct gtgttgagtc cgattttcta 100  
 aaactgagc gggatctag ggacctttct gtcactcagc cgactgtgtg 150  
 gctgtggcca gctctgggtc tgcctccccc agaactagat gcccatgggg 200  
 agtccatcag caccatctc ctgtgatctt ttatacaaca gaatctccac 250  
 tcaagtaaaa gtggggcctc ctcttatctt gctgtttgtg tgtgtgttgg 300  
 cagacccatg cgtggctgga acagatgatt gcacatacca cgtggcgagg 350  
 ccttttttat aaactgggtg aagccatcc agactgtttg atgctgaact 400  
 tcaacgttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450  
 aatgtttatt tttggttgtt ggtctgtttg g 481

<210> 194  
 <211> 184  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure

<222> 128  
<223> unknown base

<400> 184  
atagctctca gcttcactct ttcagggctg atgtcgctt tgcctttct 50  
cacttcactg acctgtctat tctacaaact gtctctttct agagaagcct 100  
caatgatcag gattgacagg ccacactntc ccccaaccatt tttttctcct 150  
ccttcaagcc tcttgtctgt ttcacctct agtg 184

<10> 195  
<11> 225  
<12> DNA  
<13> Homo Sapien

<400> 195  
gttcaattat ggtatgcaac cactcatgta ttcggttcag gaagcattaa 50  
atgcacagac atgggtggatt cgtatgggga ctgacatttg ttactataaa 100  
aatcatctct caagaagttc agttgctgca ggtgggcaaa agggaaaatc 150  
ctactatata attacattta ctgtcaattt tccacataaa gatgatgttt 200  
cctactttgc ctatcactat ccttt 225

<10> 196  
<11> 218  
<12> DNA  
<13> Homo Sapien

<400> 196  
ctgacattca ttgtgatgag ggcagcttct tggtagagga ttctaagctc 50  
tatcttttat atacattttc atctgtactt gcacctcact ttacacaaga 100  
ggaaactatg caaagtttagc tggatcgctc aaggtcactt aggtaagttg 150  
caaagtcact gcttccact cagctcctca ggtagcaag tctacttctc 200  
tggatag 208

<10> 197  
<11> 403  
<12> DNA  
<13> Homo Sapien

<120  
<21> unsure  
<22> 112  
<23> unknown base

<400> 197  
atcttggcgc tatgaaagta taacactaag aaaaaaatc atttttttca 50  
aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100  
tccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150  
tctccagac agagtttagag gcagatttag aaaaaatgga gacgttaat 200  
aaagcaccda gtgcaaacgt gccacaggta tttctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttggt ttcttttttg ttctatgggt 300  
 ttgcatgtag ttgaggtgac ggatgggtgat gctggctatt ttaggctgca 350  
 tggttttctg actactgttt tagactcctt cccccacacc taaccagtta 400  
 gta 403

<210> 198  
 <211> 484  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 62, 150, 158, 195, 236  
 <223> unknown base

<400> 198  
 gttgaagccc accgagggtc aagtcacaga caagaagctg tgcagtcacc 50  
 agtgtttcct cntgcccaga aacaaatcca ccaaaaaccc atacctctgc 100  
 caaattttac agaaggggga aacccaactg tggatgggccc cctacccagn 150  
 ttttcattta attccactat ttcagaacag gaagctggcg ttctntgcaa 200  
 gccatgggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250  
 acgaatcaaa caaggatgga tcattttctta ttgggaaaag ctctggccat 300  
 gattccaaac aacctatata actagttgta ttttttaata agcgagtata 350  
 taattttcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400  
 gaaagaaaaa tgggtgaagag taatttggaa gtgttgcctga aatcatcagg 450  
 aatcattcaac atagtccttt ggttcttatt gaca 484

<210> 199  
 <211> 442  
 <212> DNA  
 <213> Homo Sapien

<400> 199  
 ggggggtggg ctgtttggtt tgagcgctcg cctctctttg gcggcagcgg 50  
 cgacgcgagg gctcccgccc gcgcgcgtcc gctgggaatc tagcttctcc 100  
 aggaactgtg tgcggccgtc cgtgttggtg ggaaagcggc cccagaacc 150  
 gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgtatg 200  
 agaagaaccc agactcccat ggttatgaca aggaccccg tttggacgtc 250  
 tgggaacatgc gaattgtctt ctcttttggc gtctccatca tcttggctcc 300  
 tggtagcacc tttgtggcct atctgcctga ctacaggatg aaagagtggg 350  
 cccgcgcgca agctgagagg cttgtgaaat accgagaggc caatggcctt 400  
 cccatcatgg aatccaactg ctccgacccc agcaagatcc ag 442

<210> 200  
<211> 756  
<212> RNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 31, 46, 68, 72, 95, 220  
<223> unknown base

<400> 200  
ggttcgaaaa gtaagttctt nttttgggct naacgggatt tcttntttg 50  
cagttttgca gccccagnac gntgattccc agcagggcgt ttaengggca 100  
gccccgaagat ttcaattatg gtgaaaatcg cctttcaata cccttacgcg 150  
cgttcgaaaa gaggaggcgc ggcaagactt ggaggccctt cttgaccoga 200  
acgggttcagaa ctccaggatan tgaccggcaa ggagctccga gttgccccc 250  
agggaanaaga gggtccctct gggagatgta tgettactct cttaggccct 300  
tcaattcatct tggcaggact tattgttggg ggagcccgca tttaacaagta 350  
ccttcagccc aagagcacca ttaccgtgg agagatgtgc ttttttgatt 400  
ctgaggatcc tgcaaatccc ctctgtggag gagagcctaa ctctctgct 450  
gtgacggagg aggttgacat tcttgaggat gacaacattg caatcattga 500  
tgtgctgtgc ccagtttct ctgatagtga cctgcagca attattcatg 550  
actttgaaaa gggaatgact gcttaactgg acttggtgtt ggggaactgc 600  
tatctgatgc cctcaatac ttctattgtt atgctcaca aaaatctggg 650  
agagctcttt ggcaactgg cgagtggcag atatctgct caaacttatg 700  
tgggtcgaga agacctagtt gctgtggagg aaattctga tgttagtaac 750  
cttggc 756

<210> 201  
<211> 445  
<212> DNA  
<213> Homo Sapien

<400> 201  
gattgggttc caagcgttca ttcaaaaact tgctgggtaa tccccaggcc 50  
tttatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100  
catttaacttt gggtcaaaaa atgattctac tggaaatcag aacagagctg 150  
gggttctctt ctctcgacg accaaccagt gtttcagcag tgtttcagcc 200  
gtggaactct ttgtggtaga gaagaagctc ttcatatcag aatacatcag 250  
cggatactac agagtgtcat ctatttctt tggaaaactg ttatctgatt 300  
tattacccat gaggatgtta ccaagtatta tttttacctg tatagtgtac 350  
ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400

taccettatg atggtggctt attcagccag ttccatggca ctggc 445

<210> 202

<211> 700

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 65, 168

<223> unknown base

<400> 202

ggggcggct tggggtttgg attcaggatt tgttcctagt gtccaagatt 50  
ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100  
aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150  
agaaaagaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200  
attaaactact gcatttgttt gctgcagatt gcaaaagacc agagtaatgc 250  
ggagaaggac gcagatggaa tgataagtae tattaatccc gtagatgcaa 300  
tatataaacc tggctccttg gaacctgtga tcagcacaat gccttcccag 350  
actgtgttac ctccagaacc tgttcagttg tgttaagtcag agcagcgtec 400  
actttcctta ccagttggac ctgtgttggc taccttggga catcatcaga 450  
ctcctatacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500  
cttacttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550  
ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600  
aaagtggctc atccccaaag cgcttaatag attcttcttg atctgectca 650  
gtcttgacac acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203

<211> 513

<212> DNA

<213> Homo Sapien

<400> 203

catgcagtgc ttcagcttca ttaagaccat gatgatcttc ttcaatttgc 50  
tcactttctt gtgtgggtgca gccctgttgg cagtgggcat ctgggtgtca 100  
atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150  
catgcagttt gtcaacgtgg gctacttctt catgcagccc ggcgttgtgg 200  
tctttgctct tggtttctct ggctgctatg gtgctaagac tgagagcaag 250  
tgtgcctctg tgacgttctt cttcactctc ctctcatct tcattgctga 300  
ggttgcagct gctgtggctg ccttgggtga caccacaatg gctgagcact 350  
tcttgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgtg 450  
 tggcttcacc aactatacgg attttgagga ctcacctac ttcaaagaga 500  
 acagtgcctt tcc 513

<210> 264  
 <211> 348  
 <212> DNA  
 <213> Homo Sapien

<400> 264  
 gaatcgatag aaccgaggtg cagttggacc tgggagtggg caccaagatt 50  
 tttaaaagctc caatttcaga gcaagagtgc aaaactcaca gataaagtta 100  
 taqtatattc agggttctga aaagacgcag aacatgaagg gactcagaag 150  
 tctggcagca acaaccttgg ctttttctct ggtgtttgtt ttcttgggaa 200  
 acttcagctg cgctccgcag agactgttgg agagaaggaa ctggactcct 250  
 caagctatgc tctacctgaa aggggcacag ggtcgccgct tcctctccga 300  
 ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348

<210> 205  
 <211> 403  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 202  
 <223> unknown base

<400> 205  
 tccagagagac gactaaaatg ggctgtcttc atcgggtggaa tacaacataa 50  
 tggagtgagg acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100  
 gagagggagaa aaaaggcttc agcatgggaa agaaatttgg tgtatcccg 150  
 tggatagggt ctcctcttta ttgagacatc catctcggtc ctcttggtgg 200  
 ctgtatattt tctttgcta ttggttgatg aaacagcaaa tgccaaaagg 250  
 aaaaaggggg cctggaatag gaaatgcctc tctttctacg tttggttttg 300  
 tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350  
 gttctcggct tctatagcct tcgatttttt ggaaacttta ctccaagaa 400  
 agatgacaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450  
 tcttgagctc tgctctgctt gtgatgtcga gaacactggg aat 493

<210> 206  
 <211> 509  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure



<222> 38, 48, 191, 261  
<223> unknown base

<400> 206  
ttattataga ttcccttggg acccttggac ccaacggngt cccggggnac 50  
cccccccttt ttccagaaacc cagggtctgtg taagagctgc ttggagttagg 100  
cccccccttt aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150  
cgttacctag acaaacagag aactggtttt gacagtgttt ntagagtgtc 200  
tttthatttt ttcccgacag ttgtgttcca ccatgattac tttctccttc 250  
agcgaatagg ntaaatgaat atgaaacaga aaagcgtgta tcagcaaac 300  
aaagcacttc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350  
gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgtc 400  
tgttttcag ttccatgaga aatgtccagt ttcttggaat ggctcctcag 450  
aatctgggaa gggtagataa atttaatagc tcttctttta tggttgtgta 500  
cacaccaata tctaatttaa ccagcagat aatgaataaa acagcacttg 550  
ctctctcttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207  
<211> 578  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 49, 75, 77, 283, 458  
<223> unknown base

<400> 207  
tgccttttcc tctgacctt caggctcctc accgagtttt gctccaggng 50  
tatattgaaa acatacccag tgctntntca agcaccact gcttagaggg 100  
cccagatttc tttctcttct ttcccttgca gagctggaga ctgcctcggg 150  
catctgggtg ttaaaactaaa caggaaaaat gactaaaggt ccacagtgtc 200  
cattgtgtag actagctgcc ctccgatggg tgcctcgatt atcagtggtt 250  
ccagtgcagg gcctgtcact aaacaggcct canttctcc ttgggggctt 300  
tcccattggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350  
ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccctg 400  
gattcttcca gatgccttat atctcttggt caaagttgtc taaaatttgg 450  
ttcccagntt ccaagccttg ccttttggcc ttcttggaag tatttttgtt 500  
gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550  
cattcctatt tccacccccc atatacac 578

<210> 208

<211> 588  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 332, 427, 444, 449, 480, 508, 541, 578  
<223> unknown base

<400> 208  
tctttctgta agactcaact gatatatatt atactgatgc aaatattaag 50  
tagggcataa aaatatgctt ccataatatg aaatagatta ttcaataatt 100  
gagaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150  
attgttagcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200  
tttctgttc ctagtgtgat gtatcacaaa ttgtgttgag gttatttttag 250  
tatgtgtggt tcattcccggt gcttctgttc tgaagtcttg gaatacagtt 300  
ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350  
agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400  
atggtattac acagggaaaag ctatgantgc aggatcagtc taantatant 450  
attagggtga tgtattctct tttaactaan ttatacttgt ctatctagaa 500  
tacaggtttt ccagtcagct ggtcatttac caggtgtgga nttaagttgc 550  
ggggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209  
<211> 481  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 84  
<223> unknown base

<400> 209  
cgtgtggccc ccgcggtgcg gagtatgggg cgtgatggc catggagggc 50  
tactggcgct tcctggcgct gctggggctg gcantgctcg tcggcttct 100  
gtcggtgatc ttgcctctcg tctgggtcct ccactacgca gaggggcttg 150  
gctgggatgg gagcgacta gagttaact ggcaccagc gtcctgggc 200  
accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250  
gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcagggt 300  
taaatgagc tgcctgccatt cttgcaatta tctctgtggt ggccgtgttt 350  
gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400  
ggttggactg atagctgtca tatgctatct gttacagctt ctttcagggt 450  
tttcagttct tctgcttcca tgggtccgc t 481

<210> 210  
<211> 569  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 225  
<223> unknown base

<400> 210  
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tttcaacttaa tgttttcaag gttcattcag gctggagcgc ataatagatac 100  
tttatttcctt tctatgggtg aataatatc cattgtatga atagaccata 150  
tttgtctat ccattcatca gttgatggac atctgggtta tttctatttt 200  
ttggtatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250  
tggatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300  
acctaggtt taagcttttg aggcatacca gatttccaaa gtgaactgat 350  
cat-ttgcac tcccatcaac agtatatgaa ggttctaac tctctacac 400  
ttccccaata tttgttattg tctgtctctc tgacaaaagt tctctagtg 450  
ggtgtgaact ggtatcattt tgtgggtttg atttgcattt cctggatgg 500  
tatgaatgtt gattttactt tcatgtgctt attggccatt gtatatctt 550  
gggaaaaatag ctattttcc 569

<210> 211  
<211> 416  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 291  
<223> unknown base

<400> 211  
gtcgaagaa gcttatctgc aaaagatata atgaaaaatg ggaagagcaa 50  
tcatctcaaa cagttccggg ttgctgcctt tttggctttc ctaggtgcta 100  
cagtagcagg ctgttttccc cttttccata gaggggaata ttctgcac 150  
ccctctgtt tgcatttcc tacagtgaa acgcatcat taggattcac 200  
tgtaacgtta gtgctattaa actcactagc atttttatta atggcogtta 250  
tctacactaa gctatactgc aacttggaaa aagaggacct ntcagaaaac 300  
tcacaatcta gcatgattaa gcatgtcgtc tggctaactc tcaccaattg 350  
catctttttc tgcctgtgg cgtttttttc atttgcacca ttgatcactg 400  
caatctctat cagccc 416

<110> 212  
 <111> 765  
 <112> DNA  
 <113> Homo Sapien

<20>  
 <21> unsure  
 <22> 25, 55, 63, 76, 81, 389, 626, 761  
 <23> unknown base

<400> 212  
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 aaaantgagc ttntattggg acaggnngga ntggattttt tggagtaggt 100  
 ggggttttgt ttttggggtc tgcaattggg ttgtcttaga gggtcaggag 150  
 ggggaattat atggaagggt cccaaattgc attactttac aaactcattg 200  
 tactctgttt ggccattagt ctcccttagg aatcggaaga ttagccatta 250  
 taanaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300  
 gaantttttc tttaccataa tagttgtgaa attgataaca ccaactgctgt 350  
 tgattatttt tcccctaaat aagtccctga ttattgccnt cggcattact 400  
 gtaattatcc agctagccct tgactttacc tcaactgaaga ggttaatat 450  
 atatggcact gatggtagtg gcacacgggt tggctctatta aatgccaacc 500  
 ggaaggaat aatctctacc ctgggggatg tggcaatata catggctggg 550  
 gtgaaacag ggttatatat gcataagaac cgatcacata tcaaagactt 600  
 gataaaagta gctgttttcc ttttantggc agctattagc ctcttcatat 650  
 ctctttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700  
 aatttagcct ttgtatttg gatagttgct tctagcctga tccttcttag 750  
 tagtttatta ntggg 765

<110> 213  
 <111> 500  
 <112> DNA  
 <113> Homo Sapien

<20>  
 <21> unsure  
 <22> 117, 181, 219, 297, 397, 415  
 <23> unknown base

<400> 213  
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 atgggggggaa aaggggggaa taggacaagg atccaaactg ggaatttgc 100  
 tgatcttggg gtccctntcc gctttccggc cggcagcgt gccagggtat 150  
 atttcccttt ttcgatcct gcaacagcct ntttaaactg tttaaatgag 200  
 aatgtccttg gctcagagng tactactcac ctggcttttc acactactct 250

tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300  
 ttcctcatat tcattccagt ctggatatat gatactatcc ttcttgctct 350  
 gctgattgtg aaaatggctg ggcgggtgtaa gtctggcttt gacctngac 400  
 atggatcaca caatnttaaa aaaaaagcct ggtaacctcat tgcaatgtta 450  
 cttaaattag ccttctgctt cgcactctgt gctaaactgg aacagtttac 500

<110> 214  
 <111> 500  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 1, 15, 24, 49, 94, 126, 158, 196  
 <123> unknown base

<400> 214  
 nacggtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50  
 tccattcaaa ttccacatgt tgcattcagg gttggtccac ggcttggett 100  
 tctggtttga cgttgccttc atcggntcca taatgacctg gtggtgtctc 150  
 atagcccnga cagagccctt gacctactgg taccaggtgc ggtgctgttt 200  
 tcaatcacca ctgttcgcca aggcagggga cagctctca gggacatgtc 250  
 tgcattattg caacaaaaga cagagctacg acatcagtat tgtgcccag 300  
 gtgaaccaga cgggtcccaa gtccagtaac ctctggatc tgaaaaaccc 350  
 ctctcttaga tacacgggca caacgcctc acccccacc ggctccact 400  
 acatctctcc ctcgaaaac atgtggaaca cgggcagcac ctacaacctc 450  
 tggaggggga tggcctggc agggatgccg accgctatg acttgagcag 500

<110> 215  
 <111> 739  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 98, 103, 114, 178  
 <123> unknown base

<400> 215  
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 tgcagagcct tgggatgcac cgggccagag cccatgctgc tgctgctnaa 100  
 cgnntgcccc tccttggggg gcccacttg ggcaggggaag atgtatggcc 150  
 ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200  
 cacagggctg cgggtgtctg taggtctctt cctggtgaaa agtgtccagg 250  
 tgaaaacttg agactccttg ggaactgaaa ctgggagcct taggtgggaa 300

taccacaggaa gtcacccctgc agccaggcga atacatcaca aaagtctttg 350  
 tcgccttcca agctttctctc cgggggtatgg tcatgtacac cagcaaggac 400  
 cgcctatttct attttgggaa gcttgatggc cagatctctt ctgcctaccc 450  
 cagcccaagag gggcaggtgc tgggtgggcat ctatggccag tatcaactcc 500  
 ttgcacatcaa gagcattggc tttgaatgga attatccact agaggagccg 550  
 accactgagc caccagttaa tctcacatac tcagpaaact caccctggg 600  
 tcgctaggggt ggggtatggg gccatttacc gaggggccgc cgtaattggg 650  
 ccgctgggggt atctctcgag aaaagagagg cccaatatga cccacatact 700  
 caatatggac gaactgatat tgtccacctg ttatgagtg 739

<210> 216  
 <211> 474  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 92, 120, 205, 214, 238, 348, 353, 358  
 <223> unknown base

<400> 216  
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 gctcaaaattt tcagtgaag tcttgatgtt gccccgtccc cnattcccta 100  
 cactagaagg atccctcatn tggactccag cgttggettcc ttgatgtctc 150  
 gctttccccc attccctaca tcagaatgca tcccgcatcc agactccagc 200  
 gttgntgctc tacntgcaag ctggttgcaa gtccaagnta ccatactcct 250  
 gcttgagcta tgacaacagc ctctcactg atctccctt tcttccctt 300  
 gcttccctca gctcattttt cacagtgtag aatgacattt tgtttgntg 350  
 ctntgtntg tttgagatgg agtctcgctc tgttgcccag ggtggagtgc 400  
 agcggtgoga tctcggtcca ctgcaacctc cactcccggt gttcaagcgg 450  
 attctgtgtc ctacgctcc tgag 474

<210> 217  
 <211> 509  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 22  
 <223> unknown base

<400> 217  
 cacagtcccc caccatcact cntcccatc ctccaactt tatttttagc 50  
 ttgccattgg gagggggcag gatggggagg aaagtgaaga aaacagaaaa 100

ggagagggac agagggccaga ggactttctca tactggacag aaaccgatca 150  
 ggcattggaac tccccttcgt cactcaactg ttcttgcacc tgggtgttct 200  
 gacaggtctc tgcctccctt ttaacctgga tgaacatcac ccacgctat 250  
 tccragggccc accagaagct gaattttggat acagtgtctt acaacatgtt 300  
 gggggtggac agcgatggat gctgggtggg gccccctggg atggggtctt 350  
 aggggacggg aggggggagc tttatcgctg cctgttaggg ggggcacaca 400  
 atgcccctat tgccaagggc cacttaggtg actaccaact gggaaattca 450  
 tcttctctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500  
 tggtag:gg 509

<210> 218  
 <211> 291  
 <212> DNA  
 <213> Homo Sapien

<400> 218  
 ctcttaugct ttgaagcatt tttgtctgtg ctccctgac ttcatgtcac 50  
 caccatcaag ttcttagcag tcttggtact ctggggagtt tccatctttc 100  
 tggctcttgc ccagaatccg acaacagctg ctccagctga cacttatcca 150  
 gctactcgtc ctgctgatga tgaagccct gatgctgaaa ccactgctgc 200  
 tgcacactact ggcaccactg ctgctctac cactgcaacc accgctgctt 250  
 caacacttgc gaccactgct gctctacca ctgcaaccac c 291

<210> 219  
 <211> 286  
 <212> DNA  
 <213> Homo Sapien

<400> 219  
 cgggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccccc 50  
 atgaagttct tagcagctct ggtactcttg ggagtttcca tctttctggg 100  
 ctccgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150  
 ctgctcttgc tcatgatgaa gccctgatg ctgaaaccac tgcaactgca 200  
 accactggca ccactgctgc tctaccaact gcaaccaccc ctgcttctac 250  
 cactgctcgt aaagac 266

<210> 220  
 <211> 264  
 <212> DNA  
 <213> Homo Sapien

<400> 220  
 ggctttgaag cttttttgtc tgtgctcct gatcttcagg tcacccccat 50  
 gaagttctta gcagtcctgg tactcttggg agtttccatc tttctggctc 100

ctgcccagaa tccgacaaca gctgctccag ctgacaagta tccagctact 150  
 ggtccctgctg atgatgaagg cctgatgct gaaaccaatg caactgcaac 200  
 cactggagacc actgctgctc ctaccactgc aaccacogct gcttctacca 250  
 ctgctcgtaa agac 264

<210> 221  
 <211> 514  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 64, 185, 201  
 <223> unknown base

<400> 221  
 tgaattttac acaccccagg atttttttggg attgaggaga cggttcaaga 50  
 gtttagcttt ggantggccc agtatccagg tcgaggttct gcagaagggt 100  
 ctgacttag taacattttt cttcttttggg ggaagtggcc tgcattggcta 150  
 tttctctctg ccagtgtcca gcagccatgg ccttttgcct cctggagacc 200  
 ntgtgtgtggg aattcacagc ttcttatgac actacotgca ttggcctagc 250  
 ctccagagcca taagctttttc ttgagtttga cagcatcatt cagaaagtga 300  
 agtgggcttt taactatgta agttctctc agatggagtg cagcttggaa 350  
 aaattttagg aggagctcaa gttgcagcct ccagcggttc tcaactctgga 400  
 ggcacaagat gtggcaaatg gggatgatgaa tggtcacaca ccgatgcact 450  
 cggagcttgc tcttaatttc cgaatggaac cagtgcacagc cctgggtatc 500  
 ctctccctca ttctcaacat catgtgtgct gccttgaaac tcattcgagg 550  
 agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaattggaa 600  
 aaatttgggc 610

<210> 222  
 <211> 512  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334,  
 338, 344  
 <223> unknown base

<400> 222  
 cgaaggcttg ggcggangcg tgggcgcggg agtgcctggc agntttgggt 50  
 ccagagacttg ccgggacccn tttgcttcac ctccagctnt gntgctcctn 100  
 tactcttggg tcgagatccc tttggagcca cagcgaggaa cctgttggtc 150



ctcaggcagg tgtaccttga gtcagcccag gagccctctt ttctgtgtc 200  
 aaagccctgoc ctccggctnt gctcaccnt ggtgacccct ccaagatgcc 250  
 cctgcccctca gttcccccct atgatctggc ctctgcccc ttctntagcc 300  
 acagcccttt agtacacttt agcaatnnn acnngaanta gtingagttc 350  
 cccaattcac caagcaagac atgcagtttc atgcctctgt gocttgcctc 400  
 atgcttgttt ctccgaact tggaaatgct tcccctgtct ctctgccc 450  
 gtctgocctgg caagttcctc tctcagcat cctccaaagg ccccccctc 500  
 caggaaggca accctgtgtc cctcccccct caggetacct ctgcaacttg 550  
 tcaatgtctc tctgtggca cttatcacac tgtattttac ttgtttacat 600  
 gtttgcctcc cc 612

<110> 223  
 <111> 616  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 1, 21, 224  
 <123> unknown base

<400> 113  
 nccaatccag cctccgggt ntccgcgaag aagttccttg ccccgatgag 50  
 ccccccgggt gcgtcccca ttatcccag gcggcggtgg ggcaaccggc 100  
 ccagcgcga cgatectgc cgttttgccc ttgggagtag gatgtggtga 150  
 aaggaatggg ctctccctt acggggctca caatggccag agaagattcc 200  
 ctgcaatgtc tgcgctgct gctntagcc ctcaatctgc tcttttggtt 250  
 aatgtccatc agtgtgttg cagtttctgc ttggatgagg gactacctaa 300  
 ataatgtct cactttaact gcagaaacga gggtagagga agcagtcatt 350  
 ctgacttact tctctgtggt tcatccggtc atgattgtg tttgtgttt 400  
 ccttaccatt gtggggatgt taggatattg tggaaatgtg aaaagaaatc 450  
 cgttgcctct tgcattgtac tttggaagtt tgcctgtcat tttctgtgta 500  
 gaactgtct gtggcgcttg gacatatgaa caggaactta tggttccagt 550  
 acaatgtca gatatggtca ctttgaaagc caggatgaca aattatggat 600  
 taactagata tgggtg 616

<210> 224  
 <211> 619  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure

<222> 28, 102, 105, 107, 157, 167  
<223> unknown base

<400> 224  
taagttccctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50  
ggttctcaaa gggaggtccc tggccaacag catcagcacc accttgagga 100  
cttctcttgc atgcaaatca tcagggccct tcttcagact caatgaatca 150  
gaaaccttgg gataggncca gcaagctgtg ctttaacaag ctctaggtga 200  
tgcccaatcc atactcaagt gtgaggctga ctggcttatt tgaaggga 250  
gaaaggaaac ggcacatggc gacatatcag catttacaca aggcgtgctg 300  
ggtaaccata ggaacacctt tattacgggt aaataggaaa caggcatcaa 350  
tgccagagggc cccacaggga atcagggaag tcgcgactgt cactgtctga 400  
gggcactggt gtgaacgat ggcgaaggt gacaaccaca gcaaagtctc 450  
caggaaagtc actgaaacgt ggaaaaacc actcaatgtc ctgctctcat 500  
ctatactgag tggcctaagt atttattttc ttgggttttt agaggaagg 550  
agggttggag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600  
aaatattcaa gcttttaatt gaataatgca atggaggtg 639

<210> 225  
<211> 704  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,  
236, 245, 256, 284  
<223> unknown base

<400> 225  
tacccttggc cacttaagtt ggagaaattt gaaatcaaga agttntcatt 50  
ttgaagaagc acgagttcgg aagactttta catgggttnt tcttnttgc 100  
agccngtata ctttntgtca nccagaaact gtattttcat ntcagctag 150  
tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtcttgctt 200  
tagangacnc cgtgttagga agaagaccgt ttntgnttca gaatntgaag 250  
accggntagt tgctgaacaa gaaactgaac cttntaagga gttgagtaaa 300  
cgtcagttca gtagtggctt caataagtgt gttatacttg ctttgggtgat 350  
tgcaatcagc atgggatttg gccatttcta tggcacaatt cagattcaga 400  
agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450  
aaggattatc tttccagtg tcaacaggaa caagaatctt ttatagatta 500  
taagtcatg aaagaaaatc ttgcaagggt ttggacactt actgaagcag 550

agaagatgtc ctttgaaact cagaaaaacga accttgctac agaaaatcag 600  
tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650  
ggaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700  
ggac 704

<210> 226  
<211> 627  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 30, 46, 51, 66, 90, 95, 179  
<223> unknown base

<400> 215  
cgtcccaac gggcccccgg ggtcggtttn ccgcgttggc catgantgag 50  
tccctgttct ttggngtgag ccttcatttg ccttcgggcn tgcgntegcc 100  
ctttatctct tcaccatggc catcgagccg ttgcgtatca tcttcctcat 150  
ggcgggagct ttctttctggg tgggtctctnt actgatttgg tcccttggtt 200  
cgttcarggc aagagtcatt attgacaaca aagatggacc aacacagaaa 250  
tctctg tga tctttggagc gtttgtctct gtctatatcc aagaaatggt 300  
ccgatttgca tattataaac tcttaaaaaa agccagtga ggtttgaaga 350  
gtataaacc aggtgagaca gcacctcta tgcgactggt ggccatggtt 400  
tctggcctgg gctttggaat catgagtgga gtattttcct ttgtgaatac 450  
cctatcrgac tccctggggc caggcacagt gggcattcat ggagattctc 500  
ctcaattctt cctttattca gctttcatga cgtctggtcat tatcttgctg 550  
caggtattct ggggcattgt attttttgat ggctgtgaga agaaaaagtg 600  
gggaattctc cttatcgttc tctgac 627

<210> 217  
<211> 647  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 13, 36, 42, 65, 67, 101, 107, 112, 147, 224, 292  
<223> unknown base

<400> 217  
gacaaagggg ccgggtagnt tacctatatt tggtnatgg tntaattata 50  
gaccaggaaa gagentntta tgtctccatc ttgatttccg tggcagccaa 100  
ntgcctntat gnatactctc acatcccagc tttttcataa taaatantac 150  
atgctgggtg ctgcgtggatt gttgggaatt ggagcaggaa atgtagcagt 200

tgtagatca tatactgctg gtgntacttc ccttcaggaa agaacaagtt 250  
 ccacggcaaa cataagcatg tgtcaagcat taggttttat tntaggtcca 300  
 gtttttcaga cttgttttac attccttgga gaaaaagggtg tgacatggga 350  
 tgtgattaaa ctgcagataa acatgtatac aacaccagtt ttacttagcg 400  
 ccttcctggg aattttaaat attattctga tctttgccat actaagagaa 450  
 catcgtgtgg atgactcagg aagacagtgt aaaagtatta attttgaaga 500  
 agcaagtaca gatgaagctc aggttcccca aggaaatatt gaccagggtg 550  
 ctgttctggc catcaatgtt ctgttttttg tgactctatt tatctttgcc 600  
 ctttttgaaa ccacattac tccattaaca atggatatgt atgctg 647

<210> 328

<211> 597

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 72, 75, 81, 92, 116, 135, 153, 157, 170, 248, 267, 271, 332, 498, 570

<223> unknown base

<400> 328

tgaatttatt aaaccaaaca aacaaaataa aaccgggaat gcattgtata 50  
 agattgcacg tgaagtcttt tntantgaat ntatatttcc anttgaagtg 100  
 attttaagtt aacatntgaa ggcagggaat gattnccttt ccagtaaaaa 150  
 gtntagntaa ttttaattaan ttagtgacac caccaagtgt ttgatataa 200  
 cttaaattgt ggtaataaga ttgtctgcac ctgtattcat tgtggaantt 250  
 cctctttcat tggaaanttt nttactsaag aatgaaggca gtattgtttt 300  
 ctttatgttg caatgaagtg gaatgggtta cngtatgcc tttaaatttaa 350  
 aatgggttcc ttgttctgat gttgttttct gaaatgattt ttcttcttaa 400  
 ctgtggtttt cgggtatgca agcctaaatc tttgtacact ttgtctcaca 450  
 gaatagttct gaggtccat gacagggttt tgtcattgtt gatgttantg 500  
 ttgcttctgt ttataaaaaa gccaaaattt ttttcaatc caaacgttca 550  
 cctgttttct ttcctcaagn tataccagtg taataccagt taccctgtgg 600  
 ctccatttaa tatgttatcc ccactaatta atttttgtat attatttcca 650  
 atatttggaa agctctttat agccatttgg tatttctat taccac 697

<210> 329

<211> 621

<212> DNA

<213> Homo Sapien

<220>

<221> unsure  
<222> 90, 145, 189, 249  
<23> unknown base

<400> 129  
ttttcaattt gccagtttgt ggatgatgaa ttgacttaaa togaactaaa 50  
ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100  
tatgcttggc atcttggttg ccagaatcag ttccattcgc tgaantggac 150  
aagaanaact tatgtccctg atgccaaaaa tgcaactant ctttccctca 200  
actcttggtg aggtcattct ggagtgcacat gatggactcc gcacagagnt 250  
tcataacctc ttcattggact ttttatcttc aagccgatga cggaaaaata 300  
gttatattcc agtttaagcc agaaatccca gtaagcacca catttggagc 350  
aggagctac aaatttgaga gaatcatctc taagcaaaat gtcttatctg 400  
caaattgaga attcacaagc gcacaggaat tttcttgaag atggagaaaag 450  
tgatgctttt ttaagatgac tctctcttaa ctctgggtgg attttaacta 500  
caactcttgc cctctcggtg atggtattgc tttggatttg ttgtgcaact 550  
gttgctacag ctgtggagca gtatgttccc tctgagaagc tgagtatcta 600  
tggtgacttg gagtttatga a 621

<210> 230  
<211> 864  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 554, 711, 748, 827  
<223> unknown base

<400> 230  
tccctggatg gcacatctgg gtttggcaaa aggaggttgc ttcgagccgc 50  
cctttctagc ttctggccg gctctagaac aattcaggct tcgctggagc 100  
tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150  
agaatgcttt attttggaaa gaaacaatgt tctaggtcaa actgagtcta 200  
ccaaatgcag actttcacia tggttctaga agaaatctgg acaagtcttt 250  
ccatggggtt tttctacgca ttgattccat gtttgcctac agatgaagtg 300  
gcatctctgc ctgcacctca gaacctctct gtactctcaa ccaacatgaa 350  
gcatctcttg atgtggagcc cagtgategc gcttgagaaa acagtgtact 400  
attctgtcga ataccagggg gagtaagaga gctgtacac gagccacatc 450  
tggtatccca gcagctggtg ctactcact gaaggtcctg agtgtgatgt 500  
cactgatgac atcaaggcca ctgtgccata caacctttgt gtcagggcca 550

cattgggctc acagacctca gcttggagca tcttgaagca tccctttaat 600  
 agaaactcaa ccatccttac ccgacctggg atggagatca ccaaagatgg 650  
 cttncacttg gttattgagc tggaggacct ggggccccag tttgagttcc 700  
 ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750  
 gaaccccttg cggccgctgg ggtatctctc gagaaaagag aggcccaata 800  
 tgaccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850  
 ggcgctgggt tgat 864

<210> 231  
 <211> 535  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 50, 62, 82, 121, 425, 446, 523, 563  
 <223> unknown base

<400> 231  
 tagagcgaca gtggaagggg catgacctc aatgaggacg gccttgtttc 50  
 ctggagagng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100  
 catctctatg atggattcaa ntataaacag atgatggtta gagatgagcg 150  
 caggttttaaa atggcagaca aggatggaga cctcattgcc accaaggagg 200  
 agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250  
 ctactacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300  
 tgcactagaa gagtatattg gtgacatgta cagccatgat gggaatactg 350  
 atgagccacg aatgggtaaa gacagagcga gagcagtttg ttgagtttcg 400  
 ggataatgaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450  
 tcttctctc agactatgat catgcagagg cagaagccag gcacctggtc 500  
 tatqaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550  
 tgcataagtat ganttatattg ttggcagcca ggccacagat tttgg 595

<210> 232  
 <211> 460  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 30, 99, 147, 222, 234, 271, 412  
 <223> unknown base

<400> 232  
 accgccttca gttactccag gtagccccgt agcattttaa gaacaaaatc 50  
 tgtccagtca aagtgatttt cttaagagc cgttacaggn tacttcttnt 100

ccagttactt gtagctcaaa tgcttgcttg gttactaccg atcaggnttc 150  
 ttctggatct gaaacagagt ttatgaacct agagactcct gaggcagcaa 200  
 ttccccagc caagcaaccg tnttcaactag cttntccaaa tcttcccatg 250  
 gcaaaagggct ctgaacaggg ntccacagtc cctccagcaa gtagtagtto 300  
 agtaaccatt aacacagcac cctttcaagc catgcagaca gtatttaacg 350  
 ttaattgcac tctgcctcca cgaaaagaac aagaaataaa agaattccct 400  
 tattcaactg gntacaatca aagttttacc acagcaagta cacaacaccc 450  
 tccccagtgc 460

<110> 233  
 <111> 650  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 7, 13, 31, 107, 127, 129, 131, 159  
 <123> unknown base

<400> 133  
 cgggaanccc gandcgggtg ccccggggaa nccgtgcggc cccttcagtc 50  
 cgggttccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100  
 cggaaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150  
 gcttcacgnt aaaaacattta ttccaaggag aaaagaaaaa gggggggcgc 200  
 aaaaatggct gggggaatta tagaaaacat gagcaccaag aagctgtgca 250  
 ttgttggtgg gattctgctc gtgttcbaaa tcatcgctt tctggtgagg 300  
 cggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350  
 atgtgtggtat gcccgtaaga accatcacaa gacaaaatgg ttctgtcctt 400  
 cggggaaccaa tcattgtgac aagatccag agattgaaga ggcaattcca 450  
 cgggaacattg aagccaatga catcgtgttt tctgttcaca ttccccctcc 500  
 ccaaatggag atgagtcctt ggttccaatt catgctgttt atcctgcagc 550  
 tggacattgc cttcaagcta aacaacbaaa tcagagaaaa tgcagaagtc 600  
 tccatggacg ttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650  
 tggaaatggcc 660

<110> 234  
 <111> 564  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 71  
 <123> unknown base

<400> 234  
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 gatttttgaca gccacatacc ntgtgggtca catgccatac ggcctggttga 100  
 cggaaatccg tgtgtgttat cctgctttcg acaagaataa ccccagcaac 150  
 aaactgggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200  
 caacttcgtc tgcctgggtc tgtcactcac gctctgttcc gtgatgtttt 250  
 ggaracccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300  
 ttgtcctttg cagaactctg tgttgttctt ttgcggatct tctcctctt 350  
 cccagtccca gtacagtgga gggcgcctct caccgggtgg ctgatgacac 400  
 tgaagaaaac ctctgtcctt gccccagct ctgtgttgcg gatcatcgtc 450  
 ctcatcgcca gctcgttggt cctaccctac ctgggggtgc acggtggagc 500  
 cctgggggtg ggctccctcc tggcgggctt tgtgggagaa tccaccatgg 550  
 tggcatcgc tggg 564

<110> 235  
 <111> 461  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 34, 196-197, 307  
 <123> unknown base

<400> 235  
 cggacgctg ggtttaaaaa ttactcataa tcgntccatt gataatacta 50  
 gatttagttt cccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100  
 aattgtgtgc acttgatttt taagtaactt atctaaaact atgtgccatt 150  
 ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200  
 ttctttaact gttagactatt atttcaaaat tttaaattta gtttttgatg 250  
 ttttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300  
 atttatntat ttttttgaga cagagtcttg ctgtgttgct caggctggag 350  
 tccagtgggt gcattctcagc tcactgcaac ctctgcctcc cgggttcaag 400  
 tgaatttctt gctcagcct cccaagtagc tgggattaca gacacctgcc 450  
 aacatgtccg g 461

<110> 236  
 <111> 307  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure



<212> 93  
<213> unknown base

<400> 236  
gaggttcattt ccatttcatt ccggataaat gagtatgcaa ggaacgtttt 50  
tataggcattt ttggagatca aagatgggta gaaaagatgc tgntactata 100  
aaacttcttg ttgatcagta cagaaaaacaa attggtaaac aggattataa 150  
aaaaactaaa cctattttac gagctaccaa attaaaagca gaagcaaaga 200  
aaacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250  
gcactactac tggttttcta tgctttcttt tatctcagac tcaccacgga 300  
aatgtttg 307

<210> 237  
<211> 468  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 53, 67  
<213> unknown base

<400> 237  
cagggggaacc cgagccgggtt gcgcgggggg aatccgtgcg ggcgccttcc 50  
gtaccgggtcc catcctngcc gcgctccagc acctttgaag ttttgcagcg 100  
cncagaaagg aggcgaggaa ggaggaggatg tgtgagagga gggagcaaaa 150  
aacctacccct aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200  
aaaataggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250  
ttgttgggtgg gattctgctc gtgttccaaa tcctgcctt tctggtggga 300  
ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350  
atgtgtggat gcccgtaaga accatcacia gacaaaatgg ttcgtgcctt 400  
ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450  
agggaattg aagccata 468

<210> 238  
<211> 490  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489  
<213> unknown base

<400> 233  
tcataatga ccgtgtggnt gtccacagcc ccgacagagc ccctgacc 50  
aattgtacca ggtgcggtgc ctgttcagat caccattgtt cgccaaggca 100

ggggacacgn ttccagggac atgtttgntt attgccaaca aaagacagag 150  
 ctacgacatc agtattgttg cccaggtgga ccagaccggc tccaagtcca 200  
 ctaacccccc ggatntgaaa aaccccttnt ttagatacac gggcacaacg 250  
 ccccccaccc caccgggntc ccantacaca tntccctcgg aaaacatgtg 300  
 caaacagggg agcacctaca acctcagcag cgggatggcc gtngcagggg 350  
 cggcagccgc ctntgacttg agcagtggtt ttncagtggt cccagcgtg 400  
 cggcacaaca acctgattcc tttagggtec tccggcgccc agggcagtg 450  
 cgggtggcgc acgagtgccc actatgcagt caacagccng 490

<10> 239  
 <11> 583  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 37, 53, 71, 79, 89, 100, 156, 258, 260, 302, 327, 344  
 <23> unknown base

<40> 239  
 ccccccataat ggggtgtttg acccccattc cggttgntaa gtgtgttttc 50  
 cccatccatcg gccaaattgg nattttcana tccacaggng tcattgggan 100  
 tttggggggcc cctaatttgt ttcagacagg cggggaggca gtttgccaga 150  
 aggatttetta agtaantgac ccagcccttt gccccacccc ctggggtaac 200  
 cagacatggg tagggattag agcaagagtt gagagtcaga ccaccagga 250  
 accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300  
 tncacagtao tgggaagttg accctgntca ggtntatgct agcggggccc 350  
 cggcatggga caccggtgtg caccagcctt ctgaggagta caagcacgc 400  
 atgacacatc tctgctgtga caactgccac tgcacgtgg cattggccct 450  
 caatctgatg cgtacaaca acagcaccaa ctggaatatg gtgacgtct 500  
 ccttctcttg cctgctctac gggaagtaag tcagcattgg ggccttcgtg 550  
 caagacgtgg tgccttccat ccttctcttg ggc 583

<10> 240  
 <11> 546  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 25, 57, 97, 254, 341  
 <23> unknown base

<40> 240  
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gctcatntat tggcaactgc tggctttgtt tttctccct ttttgentgt 100  
 ptcaagatga ataatgggag gtgagcggaa gaactaataa agtggtggga 150  
 agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggaggga 200  
 paaagtgaga gagcggagcc atcctaaaaa tgggactgtg gataataaca 250  
 ctctacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300  
 ptapatgacc tagccagat caccacattc tggggccagt ntccacaaac 350  
 cggaggacta cccccagact gcagtaagtg ttgtcatgga gactacaggt 400  
 ttcagagcta ccaaggcccc cctggggccac cgggcctcc tggcattcca 450  
 pgaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500  
 caaagggtgag aaggcgacaa aagggtgacct ggggcctcga ggggag 546

<I10> 241  
 <I11> 545  
 <I12> DNA  
 <I13> Homo Sapien

<I20>  
 <I21> unsure  
 <I22> 125  
 <I23> unknown base

<I00> 241  
 cgtgatctga aagatagcca aggatttttc agaacacaag aaaaaagagg 50  
 natgaaaagt gaaaaagaaa ttagaagata tggataataa atcccaggag 100  
 aggaatatg catccaatca aacatntaat agaaaatttc ctacaggga 150  
 caaaagaaaa agattcttaa gatcgaaagg gccagttgat agtggtagcc 200  
 aggaggaagg agtggttttt ccccagata tatcctggtg aaattttctga 250  
 attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300  
 atgracaaag gaataagaat cttattcatt acactaaaga caatgctttt 350  
 gatattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400  
 cccactgtc atttatgtat gagaacaaaa ttaacttttt ggaatttgca 450  
 gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500  
 aatagtcac gaagcaacaa ctcaaggcat aagaacagt agcgag 546

<I10> 242  
 <I11> 549  
 <I12> DNA  
 <I13> Homo Sapien

<I20>  
 <I21> unsure  
 <I22> 100, 121  
 <I23> unknown base

<I00> 242

ttccagagag cccttgagaa gaccaagggc aaagtgagca tgaggttctc 50  
 ctctctctgc ccaccctcca cgtccactgc ctctggccgc agaccacagc 100  
 tcgtgatcga tgggagaagc ntggcctaag ctctcgagaa aaacctggag 150  
 gacaaaattc tcttccttgc caagcagtcg cgtcccgtaa tctgctgtcg 200  
 gtcgacgcct ctgcagaaga gcctgggtgg gaagctggcg cggagcaagc 250  
 tcaaggccat gacctgggc ataggtgatg gagccaatga tgtcagcatg 300  
 atccaggtgg cagatgtggg tctgggaatc tccggccagg agggatatga 350  
 ggcagtcatg gccagcgact ttgcagtgcg gaaattccga tacctggaga 400  
 ggcctcttgat tcttcacggg catgggtgct actcccgact tgcacaatg 450  
 ctgctgtact tctctacaaa aaacacaatg ttctggggcc tctgttttg 500  
 gttccagttt ttctgtggct tctctgcata tactatgatt gaccagtgg 549

<110> 243  
 <111> 549  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 97, 120  
 <123> unknown base

<400> 243  
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 gatattgata ccaacattta cttggagtat aattttcttg aaacgantat 100  
 caagtttggc ccagcaaacn taggctatgc gagaggcgta gatccccac 150  
 catgtgaagc tgggacagac caggactcca ggtggaggtt ccagtatgat 200  
 gtctatcagt atttcttgcc tgagaatgac ctccactgagg agatgttgc 250  
 gaagcatctg cagaggatgg tcagtgtgac ccaggtgaag gccagtgcct 300  
 tcaagggtgt taccctaaca gctaattgata agacaagtgt ttccttctcc 350  
 tccctccagg gacaagggtg catatacaat gtcattgttt gggacccggt 400  
 tctaaataca tctgtgcct acattcctgc tcacacatac gcttgcagct 450  
 ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500  
 gtgtcttcca ctctttttgc cctgcttggc ttcttcattt gtttctttg 549

<110> 244  
 <111> 448  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 22  
 <123> unknown base

<400> 244  
 attttaaagt cagttgatcc anttattcat tcatcaaata ttgattgaga 50  
 acctactgtg tgccaagtgt tatttttaggc cctggggacca agtaataaat 100  
 aagaggacac aggccatgca ctcaacggagc ttctgttttc cttggcagag 150  
 cagacatggg gcagggtggt ctgagggtct cctcaggatg gtgtgggtctg 200  
 tgcgtgttgt ggttgtcttg acaggttggg cctcatgggc agatggtacc 250  
 tgcagggtag ggagtgtggg ggcaaccagg atgaacagtc ataagaccat 300  
 ttcaataact tgtatttttt tttctcctag ggaaaaattg gaagaaaaag 350  
 ccgaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400  
 gaggatattgt accttgtgga tttcacacag aagatcatag acaagcgc 448

<410> 245  
 <411> 567  
 <412> DNA  
 <413> Homo Sapien

<420>  
 <421> unsure  
 <422> 3, 35, 49, 81, 106, 145, 152, 227, 239, 293, 308, 353, 427, 448,  
 476, 480, 566-567  
 <423> unknown base

<400> 245  
 ggntaaccca aggccaaagt ttttaacaat tttgntttgt aatcaatgng 50  
 taattcatga tgaattatct tgactaatgg ntagccgaag gccaaagcttt 100  
 taattntaat aggtaaatgt cttctctttgt cttattgaaa caatgngaatt 150  
 antctgtgca tttcaaatgc actccgatta tgcgtgtggtt ttattcacat 200  
 aagacacaata tgtgtttttat ttataanttc ataacaaant tataatataa 250  
 caatttaact tagagacat gcaaaagctt attcttgtgt ganttaacttt 300  
 cttaaagnta ataataataa aataaatatg tatcttaaaa atctataata 350  
 aagcattnga aattaaagat atgtgctttt tattttgcag atgagttcat 400  
 tgcgtctgtg agatgtgttt tcagagntag gtacagagga atgtttgnta 450  
 ccttttaggg tgaaaaaaga aagagngtcn agaattttgt tggattgtgt 500  
 tgcgtgtgtc atatatttga tatcatcatc atacattgta atctttggac 550  
 ttgtaactat agcctnn 567

<410> 246  
 <411> 539  
 <412> DNA  
 <413> Homo Sapien

<420>  
 <421> unsure  
 <422> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,

404, 410, 454, 458, 485, 508, 539  
<223> unknown base

<400> 246  
ttcccaactgt aatgcacaaat gatccatagc ctnttcagat tccttataaa 50  
attttaacca agagaggaga ggaaagggtt aattttctgt aatgaccttn 100  
tgcctaatag tcttntagaa aaaggaaagg tcatgagcaa ataaaggaac 150  
ttntagantt tacatgacta ggcctgataat ctantttttt aggnctctat 200  
acagtttaatt ctataaatte tctttctccc tctctctccc aatcaagcac 250  
ttggaggttag atntaggctc ttntatctcg tccctntaca gatgtatttt 300  
ccacttgcat aattcatgcc aacantgggt ttcttaggtt tctccatttt 350  
cacctctagt gatggcccta ntcatatctt ctctaatttg gtctcgatan 400  
ttgnttcgtn tcaagtcttc ccatttccct gtggctcact gttttacaat 450  
cacngctntg gaatcatgat accactttta gctctttgca tcttcttca 500  
gtglatnttt gtttttcaag aggaagtaga ttttaaatn 539

<210> 247  
<211> 508  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 9, 38, 45, 78, 469  
<223> unknown base

<400> 247  
gggagctnt gcaggaggag cttttcggtc ctggccgnga ttttntgcag 50  
gcccacagag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100  
ggaatcagga gaatggttgc gaggaattgc attcttggtt acaagataac 150  
ccagcaagac tcagactgct aacccaagga tcaactatta aggcacagaca 200  
gatgggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250  
ggatatacct ctggaattgg tgttccattt gccagtcaat tatcttcat 300  
gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtgt 350  
gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgtcgga 400  
gcttatgggt catgagctgg ttctctggat tcagcagaat ctccaggcata 450  
tcttcagcca accagaaant ggcagtggca gtgaaaagtg tactttttca 500  
acangcac 508

<210> 248  
<211> 540  
<212> DNA  
<213> Homo Sapien

<220>  
 <221> unsure  
 <222> 85, 100, 104, 133, 156, 395, 468  
 <223> unknown base

<400> 248  
 ttgggttttc ggagcagttt tcgaatggac agctccgtgg aggaggatga 50  
 atttatgtta aatgaaggta agagtttttg gcatnttatg ccccttttgn 100  
 cctntgacag ctctgtgtct tgtcttttgg ctntatccac ctctttccaa 150  
 gacaaatgat gataagacca ggggttttaa gaaatgtgaa accaagtcaa 200  
 ttgtgtcact gtccatcagt gtttttacat tgctgtgat caaaattaat 250  
 aactgtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300  
 caacctcaaa agtaggtcaa ggaatttgtc aatggattcc cttgtgggtc 350  
 ctttgcccaa caccagtga tctttccagc ccgtcagcac agtgntacca 400  
 aggaataatt ccattgggga gtctgtgtcg agtcagtaca agtcacttat 450  
 ggcctctgga cctggggntg gacagctctt gtctcctggg gctgccagaa 500  
 gacagtcttg gtccaataca tcttgcatt tgctctctgc 540

<210> 249  
 <211> 618  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610  
 <223> unknown base

<400> 249  
 tccctacaag gncctgttaa catgacactg ttaatgattg catttggctt 50  
 gctgtggggg catttnttgc ggatcaaacc caccagagn gttttcattt 100  
 tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttctcat 150  
 gggcagtgct cggcgtgaca aagaaggcga cattgantac agcaccgtgc 200  
 tcttcggcat gctgggtgac caggacgtgc agctggggct cttcatggcc 250  
 gtcattgcga ctntcataca ggccggcgcc agtgcattct ctagcattgt 300  
 cgttgaagtt ntccgaatcc tggttttgat tggtaagatt cttttttcac 350  
 tagcgggggt ttttttttta tgtcttgta taaagaagta tctcattgga 400  
 cctattatc ggaagctgca catggaaagg aagggaaca aagaaatcct 450  
 gatcttggga atatctgctt ttatcttctt aatgttaacg gtcacggagc 500  
 tcttggangt ntccatggag ctgggctgtt tctggctgg agcctngtc 550  
 tctntcagg gccccgtggg caccgaggag atgccacct ccacgaacc 600  
 catcccgan tctctggc 618

<210> 250  
<211> 626  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,  
536, 540, 561, 569  
<223> unknown base

<400> 250  
caacttaact gaaatgcgct attgaatgca cgngnggaaa atccttgggt 50  
tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100  
atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150  
tgaatttccc aaccagttg cccatgntct ccatgttact tgtgtggagc 200  
ccatggcctt ggagatttca ggcaaagaag ttgggaatgc ccttctaaat 250  
gttgtctcaa aaagtengcc tttagtgcc aagagagaaca ttgcagcatg 300  
gatgaattga attggttga tcatcactgc cctaccagag ccatattgga 350  
ttgtcttcaa tgatcgaatt gtgagtgtca tcagcagccc cagnttgaag 400  
cttgaaaag agtgggttgg ntatccattc cgcctctttg atttcantgc 450  
ctgtcatcag tctactctg agatgagttg tagntatacg ttagctcttg 500  
ccatgtgtgt gtggcaccat tttagcatcg gacaantttt tctcattcca 550  
aagtttctta ntgaagtant tcttctata gtgaagaccg aattccagtt 600  
gttttatgta taccatcttg ttggac 626

<210> 251  
<211> 602  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 34, 80, 94, 300, 388  
<223> unknown base

<400> 251  
gaagggcatt ttcagggagc agaatgacaa gacntattgt caaccttget 50  
tcaataagct cttoocactg taatgccaan tgatccatag cctnttcaga 100  
ttcccttata aaatttaaac caagagagga gaggaagggt taaattttct 150  
gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200  
caaataaagg aactttttaga ctttacatga ctaggetgat aatcttattt 250  
tttaggettc tatacagtta attctataaa ttctctttct cctctctttn 300  
tccaatcaag cacttggagt tagatctagg tcttctatc tcttccctct 350



acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400  
 gtttctccat tttcacctct agtgatggcc ctactcatat cttctcta 450  
 ttggctctga tacttgtttc ttttcacgtt tttccatttc cctgtggctc 500  
 actgtcttac aatcactgct gtggaatcat gataccactt ttagctcttt 550  
 gcatcttctt tcagtgtatt tttgttttcc aagaggaagt agattttaac 600  
 tg 602

<210> 252  
 <211> 455  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 48, 251, 266, 352, 391  
 <223> unknown base

<400> 152  
 atttgtttgt ataataaat acatatagat agagggggcga taatatantg 50  
 gtagacaaag aatgcaggaa atgcccttat tcatcacacc accaagcagg 100  
 cctcacctta aagaccagc aaaagtaaca aaagcacatt tggaaaccca 150  
 ggaagcaggt aaaagtaaat ctaaaggctg acaggggtgta cattattatg 200  
 tatgtgcaat ataaatcaaa ttcaaagctg ttttctctta aattttgata 250  
 attatagaga cagganttgc catggggaat ttctttcccc ttactatata 300  
 attttattac tagaaggaaa agtaatagca atgataataa tgaacagact 350  
 tagtgtcttt attacatttg ctttcttagt tacctttaga ntgtcacttc 400  
 tagtttcttt ctctgacatg cttttctttt ctctggaagc gtcttacatt 450  
 ctgac 455

<210> 283  
 <211> 461  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 6, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,  
 401  
 <223> unknown base

<400> 253  
 aatttntatn tacatttggtg ataatatagn tagtgcgtaa gaatatttcc 50  
 gcaaggctcag ttaagcaaga ttttcttatg atcatcattg ccatgaactt 100  
 tcaaacatag cgatnttggtg aaaacagtgc ctgttaattt acaatgttta 150  
 ccttgaacag ttgtcaagtg tgatttttat aaggagtggg tatgtttnta 200  
 agcagttatn tacttgatct ttttaatant ggggttaagg gaaacctgct 250

tacagcatca cctatttttcc attcaaatgg cacataatng ngcatgtgta 300  
 acagtttgtt accctttgtgg ggttnttttg ttntttgntt ttctttttga 350  
 gacagggttt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 400  
 ntgcaccttc cccccccag gctcaagtga ttctttcacc tgggctctct 450  
 gagtatcgg g 461

<110> 254  
 <111> 497  
 <112> DNA  
 <113> Homo Sapien

<110>  
 <111> unsure  
 <112> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476  
 <113> unknown base

<400> 254  
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 agagctcaat agctcagcga ctgaagggcc tgggggcgtt tgctattgac 150  
 actgaaccacc tgggtcatcg ggctatgcc ccaggtggcc ntgcctacca 200  
 cctcgtgggtg gaggcctttg gaacagatat tntccataaa gatggcatca 250  
 tcaacaggaa ggtcctaggg agccgggtgt ttgggaataa gaagcagctg 300  
 cagntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350  
 gtagatngat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatn 400  
 cctctgtgtt gcttgaagcc ggntggcaga acctggtcca tgaggtntgg 450  
 cctctgttca tcccagagac tgaggttgta agacgcattg tggagag 497

<110> 255  
 <111> 213  
 <112> INA  
 <113> Homo Sapien

<110>  
 <111> unsure  
 <112> 19  
 <113> unknown base

<400> 255  
 cattatcaac ccagcggccac tcaaacaggt ggacaatanc agttcgtcca 50  
 tattgagtat gtgggtcata ttgggctctt cttttctcga gagatacccc 100  
 agcggcgcca aggggttcgg ggtgataata gatcaatgtg ttggaagtga 150  
 tggggatgga gagggcagtc ccactggcga tccgcagcag gatgcccatc 200  
 agagagaagc tggggctttc caggacagca tagaaaggct ccacccgggc 250  
 tggatgctcc aggaccatcc cttcattctt aaaatgggca acgagaaacc 300

aggagacgtc cacctcacct tggagggaga tgaagtgggg gaggtggatt 350  
 tggggacag cctcctctgg ctctgcagtg acatcaaaaca agggggcggc 400  
 caccagccac tgttcatggt gctgcaggtc cagggccagg tgetgaatcc 450  
 aggaacaaaa cggaatcgtc actgtgacct cactccttac caggaagcgg 500  
 aggcctgtgg ctgaccacag ataccagcca gcagtgggga accaaaagct 550  
 gtatctgttt ggtgtcttat caatcaactc aacatccaca ttctctcag 600  
 gcccagaaaa ctgacgattt ttataatctt ctctgatctc aaaacagact 650  
 ttagaagcat aagaggaaaac tatttgattc tctctgagc aaatgtctcc 700  
 tgaatcttgt cctcttgaag attcctgtct ttctgataca ctgggaatgt 750  
 cccccccaga tagttgacac tcaggaacag caccgaacaa taatggctct 800  
 gctctgtct cactctcttc ttggaaaaaa tgtgagcgga cgcgtgggtc 850  
 gaggtcgagg gatctctaga ggcctcggcc agtgtggcct atcgatagct 900  
 tggagttgat tgt 913

<210> 256  
 <211> 518  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 28, 82, 190, 205, 355, 382, 445, 484, 491, 498, 502  
 <223> unknown base

<400> 256  
 tggggatcct tggaccttgg acccaggngt ccgtggacgc ttggtagaaa 50  
 gatggcggag caagagcaag gaaaaatccc tntggttcca gaaaatctcc 100  
 tgaaaaagag gaaggtttat caagccctca aagccaccca ggcaaagcag 150  
 gcacttttgg caaagaagga gcagaagaaa ggaaaagggn tcaggtttaa 200  
 gcgantggaa tcattcctac atgattcctg gcggcagaaa cgtgacaagg 250  
 tgcgtctcag acgactagaa gtgaaacctc atgccttgga attgccagat 300  
 aaacattcct tggcctttgt tgtacgcac gaaaggattg atggcgtgag 350  
 tttaantggg cagagaacca ttgcaagact tngcctaaag aaaattttta 400  
 gtggtgtctt tctaaaagtc accccccaga atctaaaaat gctnggtata 450  
 gtggaacctt atgtgacctg gggatttcca aatntgaagt ntgtccngga 500  
 antcattttg aaacgtgg 518

<210> 257  
 <211> 301  
 <212> DNA  
 <213> Homo Sapien

<220>  
<21> unsure  
<22> 44, 55, 60, 81, 172, 194, 225, 268, 279  
<23> unknown base

<40> 257  
tggccagaat gtgaatgtat tgaatggagt gagagaagaa atgntgtggc 50  
atcinttgtn gcaggatat tgttttttac nggctggtgg ataatgattg 100  
atgragctgt ggtgtatcct aagccagaac agttgaacca tgcctttcac 150  
acatgtggtg tattttccac antggctttc ttcattgata atgntgtatc 200  
caatgctcag gtgagaggtg atagntatga aagcggtgtg ttaggaagaa 250  
cagctgctcg agtttggnnt ttcattggnt tcatgttgat gtttgggtca 300  
c 301

<10> 258  
<11> 545  
<12> DNA  
<13> Homo Sapien

<20>  
<1> unsure  
<2> 18, 34, 61, 114, 157, 190, 193, 201, 280, 331, 389, 403, 422,  
428, 488  
<3> unknown base

<40> 258  
atcctatggg cacaaatntg gtgtccttta tggngaaaac ctcaagtaaa 50  
agtttttattc ntgcctttga aaatgggtcc aaaagtagac cctgtcccca 100  
cacagggtcaa gacnacagag aaggctttgt agaaatgtgt cacctatgta 150  
cactgtntac ttacacattt cctcttttgg aaaaatgagn tanttagaat 200  
nacaagaaaa ttaagacata ctggcctggt gccagtagat ggccttttcta 250  
tagacaaact aggttagtgt ggaagattn ggtaaaata aactatgctg 300  
tttatttat ctcccaacc tgattggcag ntagaatttt ttagggcttc 350  
atttaagggc cctgtttttt tcattattat attaatgnt agggcaggat 400  
tttgtatgca agctcttggt tntcaggntg cctgcagaag aagtcgctat 450  
aaattatctg ttgtctacat ggtacaaggc ccattganc atctgatgct 500  
tgttttgtta attcttttaa tattttttat acggggcagt gggag 545

<10> 259  
<11> 535  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 12, 27, 30, 35, 177, 190, 212, 238, 272, 303, 386, 514  
<23> unknown base

<400> 259  
 aatggcgtg tntacagtgt totgganttn gtcgntgatg cttgctctgt 50  
 caaggcacag cctattgtct cctttgtctca gtgtgacatc attcagacgc 100  
 ttttacagag gtgacagccc aacagattcc caaaaggaca tgattgaaat 150  
 ccttttgctt ccattggcagg agagaantga tgaatccatn gaaacccaaa 200  
 gaggcccgctt gnttatgag agcagaaaaga ggggaatntt ggaaaagtgc 250  
 caggtagtgg agtaaaaaag gngacagttt atttttttat tctatgtgca 300  
 canttacagt atatatatat atttatatca caatttacga aacccaaaaag 350  
 ttgagtttcc aatggaaccc ttgtttttta ataattgact ttttaaattgt 400  
 gatcaagact ataattattgt acagttatta tagggctttt ggggaagggg 450  
 aggatagcga gaagatgctc tgggggtttt gtttttgctt ttccttcagg 500  
 gttttatttt tgantgtttt gttttcttgt tggcc 535

<110> 260  
 <111> 519  
 <112> DNA  
 <113> Homo Sapien

<220>  
 <21> unsure  
 <22> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 428, 433, 475,  
 483, 486  
 <23> unknown base

<400> 260  
 tggatttata nttttcttct atgtagttac tataaaaagtg tgctggattt 50  
 gaccaatcct tacccccant ataaagagaa cccgtgatga ctttagttta 100  
 aaaattgtgg aaattgtgga gcaatttttc tcacaatgtg agaaaaattn 150  
 taacccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200  
 catctaaaaa taggtttttta aaanttagnt aagtcttaag taatttgccg 250  
 ttentaataa ttttatctcc ttgagtcggg tggtagggag agatgttata 300  
 ttcataaatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350  
 gtnttgcaat ggatgtagta ntttgggatt gccctgtcca gaaaantttc 400  
 aggtacacac ctttaaaggn aaatgtttnt atntcagatg aaacatgtaa 450  
 tttgggatgg ttcttccttt gtcanttaaa ggnagntagg aaaagtctct 500  
 taacccattt aaacatgag 519

<110> 261  
 <111> 407  
 <112> DNA  
 <113> Homo Sapien

<220>

<221> unsure  
 <222> 30, 40, 58, 102, 104, 148, 171, 190, 201, 226, 243, 295, 302,  
 332, 360, 380, 383  
 <223> unknown base

<401> 261  
 tctgtgtgtca acgggggtcat ctttaaagtgn ttggccgtgn ttgccctgtc 50  
 ataccacntg agaaccatgc tcaccgaccc tgggggcagta cccaaaggaa 100  
 anantatgaa agaatacatg gagagcttgc agctgaagcc cgggggaantc 150  
 attatatagt gccccaagtg ntgctgtatt aaaccgcagn gggcccacca 200  
 ntgcagattt tgcaaaaagat gtattnggaa aatggatcat cactgcccgt 250  
 gggtagacaa ttgtgttaga gaaaagaatc aaagattttt tgtgntcttc 300  
 antatgata tagctctgtc ttcagtccat gntctgaccc tttgtggatt 350  
 tcaqthcatn tctgtgtcc gagggcagtn gantgaatgc agtgattttt 400  
 cacttcc 407

<210> 250  
 <211> 513  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25, 35, 37, 64, 182, 211, 263, 329, 338, 410  
 <223> unknown base

<400> 262  
 cactcttgaa ccacttaate ctctnttgac aacantngta gaacagaate 50  
 caggaagatat gggngaccta taactagatg ttgctgaagg tttcttggt 100  
 gctggggaat ataattctgc acttccctc ctcagtgtc ttgtttgtc 150  
 tganagatac aaccttgac tagtttggt tngtcatgca gaatgtttaa 200  
 aggtcttagg ntatatggag cgagctgctg aaagctatgg caaggtgggt 250  
 gatctggccc cactccattt ggatgcaagg atttcacttt ctacccttca 300  
 qcacacagtg ggccagctg agaaagctnt ggaagctctg gaaccaatgt 350  
 atgatacaga tacttttagc caggatgcaa atgctgcaca gcaggaantg 400  
 aagtatttgn ttcacgttgc tactctgttg tttcacaag gcaaaatgta 450  
 tgggtatgtg gataccttac ttactatgtt agccatgctt ttaaaggtag 500  
 caatgaatcg agc 513

<210> 253  
 <211> 650  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure

<222> 37, 62, 71  
<223> unknown base

<400> 263  
ttgagacctg gatgaacaaa tttatatcct ttcccttngag gaagaagcac 50  
tccagagacg antaaatggg ntgtcttcat cgggtggaata caacataatg 100  
gaggttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150  
aggcgaaaaa aggttcagc atgggaaaga aatttggtgt atcccgctgt 200  
tatggttctc ctctctattg agacatccat ctccgtctct ttggtggett 250  
gtatctattct ttgctctattg gttgatgaaa cagcaatgct aaaaggaaca 300  
aggcggtctg gaataggaaa tgcctctctt tctacgtttg gttttgtggg 350  
agctcgctgt gaatcattt tgattttcta tcttatggtg tctctgttg 400  
tcggtctcta tagctctga ttttttgga actttactcc caagaaagat 450  
gacacaaacta tgacaaagat cattggaaat tgtgtgtcca tcttggtttt 500  
gagctctgtc ctgctctga tgtcgagaac actgggaatc actagatttg 550  
atctacttg cgaatttgga aggtttaatt ggtgggaaa tttctatatt 600  
gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<110> 264  
<111> 441  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 79, 106, 160  
<123> unknown base

<400> 264  
tttttttggg agagatgggg ttccgccatg ttgcccaagc tgttcttgaa 50  
ctcccggtct caagtgatec gctccctng gctccacaga gtgctgggat 100  
tatagncacg gaccaccatg cccagctcc acatcttttt ttgcactgtg 150  
tatactcttn tgagacatgc caacttctc caggtcaaga aaggggtata 200  
tagctctcag ctccactctt tcagggtga tgtcgctttt gctttttctc 250  
acttcactga cctgtctatt cctacaactg tctctttcta gagaagctc 300  
aatgatcagg attgacagge cacactctcc cccaccattt tttctctc 350  
tttcaagcct ctgtctgtt tcacctctt ccaccttgga ggctgaggtc 400  
ttatttgact ctccactga attgacctc ttccctccca c 441

<110> 265  
<111> 261  
<112> DNA  
<113> Homo Sapien

<220>  
 <221> unsure  
 <222> 21, 39, 67  
 <223> unknown base

<400> 265  
 tgagatcttt ttctctaatt ntcagaagtg tttcaatgnt attaattcat 50  
 tatttctccc tctctgnttt ttttttaatt cctgtcttgg ggaatcctgt 100  
 tctcttgata tgagcactct acttctattc tccatagcac ttagctcctt 150  
 taaaaatatt ctctttgttc tctacttctg ccttctggga gagttttctca 200  
 g 301

<210> 266  
 <211> 301  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 94, 128, 146, 167, 232, 257  
 <223> unknown base

<400> 266  
 ttttttttc aagtcttgat ttgtggctta cctcaagtta ccatttttca 50  
 ggcaggtctg ttgttttgc tcttcagaaa tgttttttac aatntcaaga 100  
 aaaaaatgtt ccagaaaatt gagtttantg ttgcttgcct ttggantcat 150  
 ttggggattg atgttantgc actatacttt tcaacaacca agacatcaaa 200  
 gcaagtgcac gttacgtgag caaatactag anttaagcaa aagatatgtt 250  
 aaagctntag cagaggaaaa taagaacaca gtggatgtcg agaacggtgc 300  
 T 301

<210> 267  
 <211> 700  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25, 61, 67, 132, 134, 150, 183, 194, 197, 238, 355, 424, 431,  
 449, 465, 470, 478, 507, 509, 523, 527, 529, 533, 560, 578, 614,  
 644  
 <223> unknown base

<400> 267  
 ggggcccagat tgcgaaattg aggcnccaag ggggcccaga cggactgaag 50  
 catttcaagg ntccgnggg ttccatgat ttgaacggag tcttttcccc 100  
 taatgggtgt ttgaccccc atcccgtgc tnangtggtt tttccccatn 150  
 atgggcacac atgggcattt gaaatccaca ggngtcattg gganttngeg 200  
 ggcccctaatt ttgtttcaga caggccggga gggcagnttg gccagaagga 250



ttcttaagta actgaccag ccccttgccc ccacccttgg ggtaaccaga 300  
catgggtagg gattagaggg aagagtggag agtcagacca tccaggaacc 350  
acatnttttg acccttcagaa ggaggacaa atggcctttg gaaagcctgc 400  
caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450  
catgggacac ggcctnctgan gacgcctntg aggagtacaa gcaccgcctg 500  
cacaaatntnt gctgtgacaa atnccantng cangtggcat tggccttgaa 550  
tctgatgcgn tacaacaaca gcaccaantg gaatatggtg acgctctgct 600  
tcttctgcct gctntacggg aagtaagtca gcgttggggc cttngtgaag 650  
acctggctgc ccttcctcct tctcctgggc atcatcagcg gcgcggttaa 700

<210> 268  
<211> 253  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 49, 120, 181  
<223> unknown base

<400> 268  
gaatcgtttt ccaaaaaaaaaa aagctttaag aagtctttag atttacagnt 50  
aagcatatcc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100  
aatatttaatt tggaccaaan tatgactgtg ggtattctgc ccagggaaga 150  
agagcttagga ggttttaaac ttaccttgga nttgctgctt tgtttcttat 200  
gccttcttga cagaaggatt tatttcactt ccgaaatatt agccataatg 250  
ccc 253

<210> 269  
<211> 559  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 20, 33, 58, 200, 240, 403  
<223> unknown base

<400> 269  
cactaggaaa aattgaaatn ctattggaaa ttnttttggc cacaaaggta 50  
aataggtnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100  
aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150  
ttttggtgga acttaaacac cacagtctat ttgtgtgtaa tttctcaggn 200  
tttattatag ttcattgataa aatcaatttt ccattgtctan ttgttttttc 250  
ttcaacaagt gatctatctt ttacaaaagg gaatatattg ctggagaaat 300

gctcattggt tccctttctgt atgtctttga gggtaatgct aaaagcaagc 350  
 tcaaatttca aaatatgtta tttttaaaat attttatata ggatttggtc 400  
 aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450  
 tgatttttaa tgcatttcctt taaaaatatt tattggcaca ttgtatttgt 500  
 acatattgat gggataaaaat tgatgcttct gtacatatat atttggcata 550  
 atcatcaaat ttgggtattt agcttattca tcacctcatt catttatcat 600  
 ttctttatgg tgagaacatt caaaagtctc tcttccagct attttataat 650  
 atattatac 659

<210> 270  
 <211> 628  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 51, 106, 111, 120, 140, 378, 513  
 <223> unknown base

<400> 270  
 ttttgaagaa gcacctcaga gggattaagc tcttgagaat gttacctgca 50  
 nttaactga tggcgtgcca atagatatca cagtgaagtt gatggctctc 100  
 ccttgnacat ntcaacattt ttgaaccact taatcctctn ttgacaacac 150  
 tcttgaagaa gaatcctgaa gatatgggag acctatacct agatgttgc 200  
 gtagcttttc tggatgttgg tgaatataat tctgcacttc cctcctcag 250  
 tcttcttgtt tgccttgaaa gatacaacct tgcagtagtt tggcttctgc 300  
 atgcagaatg tttaaaggcc ttaggtata tggagcagac tgcgaaagc 350  
 tctgggaagg tggttgatct ggcccantc catttggatg caaggatttc 400  
 acctctacc ctccagcagc agctgggcca gctgagaaa gctctggaag 450  
 ctctggaacc aatgtatgat ccagatactt tagcacagga tgcaaatgct 500  
 gctcagcagg aantgaagtt attgcttcat cgttctactc tgttgtttcc 550  
 ataaagcaaa atgtatggtt atgtggatac cttacttact atgttagcca 600  
 tcttttttaa ggtagcaatg aatcgagc 628

<210> 271  
 <211> 595  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 71, 76, 86, 91, 162, 220, 269, 231  
 <223> unknown base

<400> 271

tgggtttttgc cccataaaatt cccacagctt gagcagtttg ttaaggaatg 50  
 aggttacaga ttcaggaatt ntaggncctc aaacctntaga ntttgtccca 100  
 aatgtttctcc gacatgcagt agatgggaga caagaggaga ttctgtggt 150  
 catcgctgca tntgaagaca ggcttggggg ggccattgca gctataaaca 200  
 gcattcagca caacactcgn tccaatgtga tttctacat tgttactctc 250  
 aacaatacag cagacctnt cgggtcctgg ntcaacagtg attccctgaa 300  
 aagcatcaga taaaaaattg tcaattttga cccataaactt ttggaaggaa 350  
 aagtaaagga ggatcctgac cagggggaat ccatgaaacc tttaaccttt 400  
 gcaaggttct acttgccaat ttggttccc agcgcaaaga aggccatata 450  
 catggatgat gatgtaattg tgcaaggtga tattcttgcc ctttacaata 500  
 cagcactgaa gccaggacat gagctgcat ttcagaaga ttgtgattca 550  
 gcctctacta aagttgtcat cgtggagca ggaaa 585

<210> 272  
 <211> 616  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 23, 80, 86  
 <223> unknown base

<400> 272  
 caggaaacca tgaggaatg ccncaatggc atattgtaaa tgtcatttta 50  
 aacatttgta ggccttggac atgatgctgn attactctc tttaaaatga 100  
 cagccttctc tgcctgttg gtgctggccc ttggggagct ggagcccagc 150  
 atgttgaggga gtgcggtcag ctccacacag tagtcccac gtggcccact 200  
 cccgggacca ggctgcttcc cgtgtcttca gttctgtcca agccatcagc 250  
 tcttgaggac tgatgaacag agtcagaagc ccaaaggaat tgcactgtgg 300  
 cagatcaga cgtactcgtc ataagtgaga ggcgtgtgtt gactgattga 350  
 cccagcgggtt tggaaataaa tggcagtgt ttgttactt aaagggacca 400  
 agctaaattt gtattggttc atgtagtga gtc aaactgt tattcagaga 450  
 tgtttaatgc atatttaact tatttaattgt atttcatctc atgttttctt 500  
 attgtacaaa gactacagtt aatgctgcgt gctgctgaac tctgttgggt 550  
 gaaatgggat tgcgtctgga gggctgtggg ctctctgtc tctggagagt 600  
 ctgttcattgt ggaggg 616

<210> 273  
 <211> 537  
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 44, 60, 107, 114, 234

<223> unknown base

<400> 273

tgaagtggaa ttgaatgata tgaggntttt ctttcccaag gtenaccagg 50  
acchagattn ttttatagtt ataagccttg aaagaaatto ttgcaagggtg 100  
ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150  
ccttggtaca gaaaatcagt atttaaggcc cagaacttat tgaaaggcca 200  
atgtacttct accgtgacac gggggatccc acctcctag aactcggaag 250  
agatgctgtg gaatccattg aaaaaatcag caagggtggag tgcggatttg 300  
caaaatcaa agatctgcga gaccacaagg tggacaaccg catggagtgc 350  
ttcttcctgg ccgagactgt gaaatacttc tactcctgt ttgacccaac 400  
caatttcac cacaacaatg ggtccacctt cgacgcgggtg atcaccacct 450  
atggggagtg catcctgggg gctgygggggt acatcttcaa cacagaagct 500  
caccaccatg acctgcgcgc cctgcactgc tgcacagagc tgaaggaaga 550  
gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600  
gcagtgcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274

<211> 697

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 59, 66

<223> unknown base

<400> 274

tatgggcata gaaaaccctg gaaagacca tccaccatta tatatagagt 50  
gattgtctnt gcttgntgag ctaacagggg tgtcaagctt ccattttggt 100  
atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150  
actacagaca ctttctaate atgatgcatt tcaaaagtgg actcgaatta 200  
actgagttgc aaacatgac agtgcccgag gatgataaca ttagcaatga 250  
ctccaatgat ttaccgaag tagaaatgg tcagataaat agcaagtta 300  
ttcttgatcg tgaaagtaga agaagtctca caaacagcca ttggaaaaa 350  
aagaagtgtg atgagtatat tccaggtaca acctccttag gcattgtctg 400  
ttttaacctc agcaacgcca ttatgggcag tgggattttg ggactcgct 450  
ttgcctggc aaacactgga atcctacttt ttctggtact ttgacttca 500

gtgacattgc tgtctatata ttcaataaac ctctattga tctgttcaaa 550  
 agaaacaggc tgcattgtgt atgaaaagct gggggaacaa gtctttggca 600  
 ccacagggaa gttcgtaatc tttggagcca cctctctaca gaacactgga 650  
 gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697

<110> 175  
 <111> 621  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 21, 48, 82, 136  
 <123> unknown base

<400> 275  
 tgggacacgg gttaccccaa gngcagcgcg ggcaaggcct tcatgatntc 50  
 cgtgtgtctc acgtgaccaa ttcccactg gntggggcaa ggtctacttc 100  
 gcttatttta ccaacacgtc cagttagagt acacgnacgt gcccttccac 150  
 aacacgtatt cccacatctc gatgctggat tacaacccc gggagcgcgc 200  
 cctctatacc tggaaacaacg gccaccaggt gctctacaat gtcacactgt 250  
 ttcacgtcat cagcactctt ggggacccct gagccaatgc tgtggctcgg 300  
 cgtgctgcct ggggggcctc cgggggctgg gggccctttt cattctgcct 350  
 ctgtccctca agggtgatct ctctgtctct gtcacgcctt ttctccccgc 400  
 ctctttgtct ggccttttgt ctctgcctat gtattctctgt ctattttttc 450  
 aatttccctt cttctccttt attgatctct gcttttaata caccacttct 500  
 ctctttctgc ctttttatgg atgtcttttt ctttttatgg ctctggttct 550  
 ccagttcttt cctctctctg ctctctctgt ctctctctct ctgtccttcc 600  
 accctccctt ccttgcctcc c 621

<110> 276  
 <111> 570  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 5, 28, 71, 73, 86, 126  
 <123> unknown base

<400> 276  
 cgaangcgtg ggtgtgcac cgggtgtntg aaggctgtgc ccgttttgtt 50  
 tcttggttaa aatcggggga ntnaggggg cgggncggc gcgacaccgg 100  
 gctccggaac cactgcacga cggggntgga ctgacctgaa aaaaatgtct 150  
 ggatttctag agggcttgag atgttcagaa tgcattgact ggggggaaaa 200

gcgcaataact attgcttcca ttgctgctgg tgtactatTT tttacaggct 250  
 ggttgattat catagatgca gctgttattt atccccaccat gaaagatttc 300  
 aacraactcat accatgcctg tgggtgtata gcaaccatag ccttctaat 350  
 gattaatgca gtatcgaatg gacaagtcog aggtgatagt tacagtgaag 400  
 gttgtctggg tcaaacaggt gctcgcattt ggcttttctg tggtttcatg 450  
 ttggcctttg gatctctgat tgcctctatg tggattcttt ttggagggtta 500  
 tgttgctaaa gaaaaagaca tagtatccc tggaattgct gtatttttcc 550  
 agaatgcctt catctttaat 570

<10> 277

<11> 542

<12> DNA

<13> Homo Sapien

<10>

<11> unsure

<12> 71, 34, 50, 124, 254, 256, 305, 307, 334, 424, 458, 501, 582,  
 613, 638

<13> unknown base

<10> 277

agtttctttt aaattggggg ngggggttta agcncTgaaa atatcttctn 90  
 tgattacttt accatgtgga catatgggat aaatactgta tttcagattt 100  
 acataaaaagt agattagtaa tjcncagctt tcagaataaa aactgataaa 150  
 aaagaacaaag cactatcaac ttgggacagt aatttcttag gtgttaaaca 200  
 agttttctga atacaatctg gatgcaaaac ggcctgattt gatgaattca 250  
 taatttcttt ctgnanactt tcattttatt aaatatttta ttacttggtt 300  
 aaanncnaga attatctatg taaacttcat gggntttttt gttgaaagtt 350  
 agatgttcag taactaattt ccaggtatg gcccagaatt aaacatttat 400  
 cactatattt cagaagtcaa aatncaaaac tggattatca aaacggttgg 450  
 tgtgtgcnct ttaaactgga ctatcagtat ggttgccgtg gtcactttaa 500  
 noggatttat cagtaagggtt ggtgtggtca ctttggttta tcatcaatac 550  
 agtgggtgtg gtcactttaa actggattac cnatatggtt ggtgtggtcg 600  
 ccttaaggtt tgnnttcatt tttttctatt tttaatntt ac 642

<10> 278

<11> 434

<12> DNA

<13> Homo Sapien

<10>

<11> unsure

<12> 19, 146, 162, 199, 203, 225, 245, 271, 286, 296, 323, 328, 359,  
 368, 431

<223> unknown base

<400> 278

ttgttttttc tgttcttngg ttagtttget gacttaagag gatacagact 50  
tgaggtataa tttgtcttag tcagttttgt gttgtataa cagaatacct 100  
gagactaggt aatttataaa aataaagttt atttggetca tgattntgga 150  
gttggaaggt cnagattggg cagcccatat gatgaggggt gcacacttnt 200  
tcnatttatg gcagaaagtg gaaanggaag cagggtgtgtc caaanagaca 250  
tgagggagag gttggagtca ntgtctcttc aggaantaat tcattctnta 300  
gagagtgaga actcacttaa ctnttgcnag agggcattaa tctattcacc 350  
catgaaacna acaccctnca gtagactcca ccatttaaca ctgccatatt 400  
gggaatcaaa tttcaacatg agttttggca nggg 434

<210> 279

<211> 335

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 140, 178, 241, 244, 247, 264, 314, 321, 326

<223> unknown base

<400> 279

cccttggaaa ctgggattaa tgtatgtctt agatccattt attagaaatg 50  
caaaaataact acaatttttt gatggatgaa aatactcctg taacacaaaac 100  
agaiaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150  
tcctgtgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200  
taggttttcaa agaacattaa tgactttctt ttccttttta ngntgntta 250  
atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300  
gttugtctct ttgnacacat nttttntatg actgc 335

<210> 280

<211> 254

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241

<223> unknown base

<400> 280

tgtagtctta atatcataga tcactttana tgtgatttgt ttcagttgtt 50  
gaaacttgcc tgcacggaca cccacatcct gggcctttta gttacctca 100  
acagtgggat gatgtgtgtg gccatctttc ttatnttaan tgngtcctac 150  
acgggtatcc tangctcct gaagttttac agcttttaaan ggaggcacia 200

agccctntnt acctgcagnt nccacotcac ggtgggttgta ntgttttttg 250

cccc 254

<210> 281

<211> 402

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 15, 96, 205, 265, 331, 334, 337

<223> unknown base

<400> 281

tgggttcagg tcaccatctt tagcttcaaa ttcataaaat ggttgcttct 50

actctcagcc tgatattctt gtgatgggca ggcagaacca gggctntaag 100

gaaaggagcc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

tgcagaaagt ctgcttggtg ctatttgggt agaactttgt gacatggcca 200

ctccttgctg caaggacatt tacagttttt cagttggggc cattgccacc 250

ctgagcaaaag ggtcnataag gaagaagaag gagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaaca 350

gagacagcat acattcactt atcaactggt tagtaaatte ctggcatggg 400

ca 402

<410> 282

<411> 515

<412> DNA

<413> Homo Sapien

<420>

<421> unsure

<422> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452

<423> unknown base

<400> 282

agccacagatc caggaaccat tctattttca ggattttgaa tgcaaaaactt 50

accttnttcc tctaaagatg aatgtcaggg agagatttat tcaaccttga 100

gatttttgca gtctctttca gagtcacaga atagattaag gcctgatgat 150

atttaaaaggc ctgggaaaac tgatgncaaa gaattttcag tgccttgcca 200

ccttcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tctcagtggtt ggtgacaaat atcttttcagt gnattcnaga aaaacatcaa 300

cggtaggaaa ttttaagaaa ctgtagtgaa aagtacntca tgcaaaatgn 350

tnactactta aaanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaaaa tagcttttcag cagaaaaagg aactggattc acgccttata 450

tnaaagaaca gatgtcatag agaaaatgag atcattttta aagttttgca 500



aaatacaggc aaatt 515

<210> 283

<211> 433

<212> DNA

<213> Homo Sapien

<400> 283

aggaatgacc ttcttcaggg ggctgaggat accccacagg cctcctttct 50  
ctcagatccc agggtttgac tatgcaccta tttaggggct gcttgcctca 100  
gggagagagg tacaggaggt ggtctgggaa aaacaaaatt gatcttecta 150  
tcaattgat ttttgtttag cggaatctat acacacccat ttctttggat 200  
attatttcca gttactccag ctaatccaaa taatgatatt tgccttcagt 250  
taagaaagag ttttattttt aggaacagaa gtctagtagc agttttgctt 300  
tttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350  
attgcaaaa tgcagtcaat atcaaacagc aatggttgct tgttttatga 400  
tcggtcagaa ttgtccctt atattaattt cag 433

<210> 284

<211> 496

<212> DNA

<213> Homo Sapien

<20>

<21> unsure

<22> 8

<23> unknown base

<400> 284

ccctcaggtt tctgtcgcag gttgcgagga aaggcccta ggctgggtct 50  
aggtgcttgg cggcgccggc ttctccccg ctngtctccc ccgggccag 100  
aggtacctcg gcttcagtcg tgctgagcag agtatggaag cacctgacta 150  
cgaagtgcga tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200  
ctattatata aacattctg ttgcaaacac tgtacatcct ctgccacatc 250  
ttctgacccc gcttcaagaa gctgctgag ttcaaccacg tggatgatga 300  
agatgcaccc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350  
caattgcctt ggggtgctgc ctgctcctgc ccttctccat catcagcaat 400  
caggtgctgc tctcctgac tcggaactac tacatccagt ggctcaacgg 450  
ctctctcacc catggcctct ggaaccttgt tttctcttc tccaac 496

<210> 285

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure  
 <222> 12  
 <223> unknown base

<400> 285  
 atttagattt gnatctcttc ccatcaatca tgaatacata aggtaatat 50  
 ttatagttgg aaagcattgc ttaatatatt gaatcaataa aaatattgat 100  
 ttcatatatt taatttttat aatctttaca gattacaata ctgtgatgag 150  
 actgttcttg taacttttga tccacacaca gaattttctg gtcttcagaa 200  
 gaaaacagaa caagtccaaa gagacattgg attttggtgt ccaaggcacc 250  
 ttaagacttc tgggggacaa ggatataagt ttctgggaat tgaccagtgt 300  
 gggctccat gccccaacat gtattttaaa agtgatgagc tagagtttgc 350  
 aaaaagtttt attggaacag tttcaatatt ttgtctttgt gcaactctgt 400  
 tcaatctctt tactttttta attgatgtta gaagattcag ataaccagag 450  
 agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500  
 ttttattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550  
 agaagctaga acttgg 566

<10> 286  
 <11> 570  
 <12> DNA  
 <13> Homo Sapien

<220>  
 <221> unsure  
 <222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,  
 371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,  
 531, 533, 544  
 <223> unknown base

<400> 286  
 cgttaanacg agcctgccag taaatgtagc catcatgttc agtaanggcc 50  
 ctgcaaaaca gattaccctt tcaccttttc acttaattgt ctacctatga 100  
 atcattaatg ntctggtttg nttttaattc tgtgataggc aggaaaggat 150  
 ggaactcctt ggcagactag tggtanaaag ttttngaagc agggtagctc 200  
 ttgtacottt gnggtctgt ntcacagaca cctgtntant cctgacctt 250  
 tttaaatggc aactttntgc ctgtaggaaa tcttcccttt gtgcttaggt 300  
 ctttttcttc tgtgagcttt agataaacna cctagtgttt aaacttttta 350  
 ataagggatt ctttttttaa nacatgagaa ttcatttcaa aantttgnt 400  
 ttagnatatt antttantct acntggntct ttttcagaca gatgttctct 450  
 cctggattgt aaaagtogaa ttcaaaggat ttttanttgn aatanactta 500  
 acctttctct tgtaagntgc catntgtgta nanacagctt tgantgcctg 550

acaagaggaa aatgtttccc 570

<210> 237

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 43, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437

<223> unknown base

<400> 297

aactgttctt aatggcccag ttttaccagg gcttggtgtn taaggacatt 50

aacttgttgt cccctcaggg atgggtttan tactagetgt cagaaagcta 100

tgggttctcc taatgtgtta atagctgaaa ctccagctgta atttctctta 150

aatacttccag cattttgcat tctgtacant gtggtgcttt ttccnccctg 200

tanngttctta actgtaagct cctagggggc agcaatttgg ataaatcttt 250

tgttaagtag ttntcaataa aatatcttcc ctccccatac cctaccoga 300

aatttttatan tgntctttac aaaactttgg tcaagagtag aaatatatcc 350

aggagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400

gattttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450

tttaagaaaag ctttcacggg ggtaatatg aaacagtcac aaagggttaag 500

aaaatactga tagcagtttt tgtctatttt aacattgtag tcatttgtac 550

tttgat 556

<210> 298

<211> 594

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302,  
310, 457, 506, 521, 554, 584, 591

<223> unknown base

<400> 283

ggattttcgt aagtagttta gagatagtca catttttaaaa atttaagatc 50

aagcaaatga agcttatttt tangtattca tagtataaaa gaccttcagt 100

aaataggtaa tanttttggt ttattctaga aaacagctcc ttgaacacag 150

tgagctggct tttcacacat tgcagttggt agtgtttact gcccttgcca 200

ttttaattat gaggntaaag atgtttttga caccgcacat gtgtgttatg 250

gnttccntga tangctntng acagctnttt ggctggnttt ttngcanagt 300

tngttttgan aaggttatct ttggcatttt aacagtgatg tcaatacaag 350

gttatgcaaaa cctccgtaat caatggagca taataggaga atttaataat 400

ttgcctcagg aagaactttt acagtggatc aaatacagta ccaacatcaga 450  
 tgctgtnttt gcaggtgcc agcctacaat ggcaagcacc aagctgttta 500  
 cacttnatcc cattgtgaat natccacatt acgaagatgc agaattgagg 550  
 ggtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594

<210> 289  
 <211> 713  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 70, 96, 106, 113, 113, 134, 227, 299, 384, 421, 430, 454, 464,  
 546, 556, 561, 597, 616, 622, 667, 673, 712  
 <223> unknown base

<400> 289  
 tcccttaatt ccatagaccc cgaagggggt tccccgggtt ggaatccatt 50  
 aaatccgggc cagggtctgn tcccggtggt taggattggg gggtanaaat 100  
 aaaaantcag gtnatattnt taccagtcag taenattttt aaagaatgta 150  
 atctgtatat aatatatgga ctccaggaac tttattgggg tgggggggta 200  
 attttgcttt accctgttca ctccanatg attaggcttt tgcactttag 250  
 aattgagaaac ttgtgacgtt agtgtgttct tactagcttt aatttgtang 300  
 tagaatgaa ttgtgaatct tagtgcagtg ggttttttta aaaaactcaa 350  
 aatgctggga attaagtggg ttcagtaata atgntatacc gaggtgcttg 400  
 catgtatatt cataattttg ntacaaacnn aaattatttt taatgagaac 450  
 agtnttgggt tcanaggtgt gatgccagaa tgtattttcg tactgttagg 500  
 ccccttggac agatattcgg gctttttgaa agatgaaaga aatgcnatgg 550  
 gggtntttca ngcaagggtg caaacctacc aagaatgcat aatagtntca 600  
 cttttcccca ataaanagat gngtgtgact agttttggac ttttaacctt 650  
 aatggggggt gcattgntcc tantgttaat cattgtcagc tgcagtgaca 700  
 tgcacacag tnc 713

<210> 290  
 <211> 687  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 26, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,  
 436, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,  
 600, 605, 649, 682  
 <223> unknown base

<400> 290

gacttgggaag aattggacct agtggntaga cccaaggncc aaagccaana 50  
 attcgtgggg ggcccaggaa ncaggagggtc ncattgggatt ccagacataa 100  
 gatcaggttt taacccccct tggcccaaat tttggctgaa aatgttgaat 150  
 tatcaactct gaaattaaaa agaaagttta tattaaaaaca ntgcaatttt 200  
 ccttagaatt tctgtatata ttaacatcat gaatgataaa ttctcttcaa 250  
 tgtgcangtc aggtttttgn acttgnatat caaatctatc tgtgtgtatg 300  
 aagtgtatgt ttattgaaat acnagatatt taagaagctg atntggaaag 350  
 ttggattttc attctagttc ctaattccca gaggnntttt taaaggaagg 400  
 gaatgtntgt ggtacnccag ttgtcagctg ggtggntact ggatcatctt 450  
 tcttttatca acnagatnaa ctatcaactt caccagcatc atgaaccttg 500  
 ntgcgcgtaaa aaggagttca ctacttctgt tcnctttgag tctnttcaaa 550  
 tggattntgt gtcctcctnt ggagtntgng ccatttantg nttntgaactn 600  
 ttcnctaag ccagagaatg atgatggagg aaattatgaa atgttcaacn 650  
 gaaaatttgt ttttcgacct gaactgtttg angtcac 687

<210> 291

<211> 673

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 27, 34, 66, 97, 187, 229, 263, 309, 314, 346, 397, 448, 451, 463,  
487, 491, 536, 563, 575, 608, 618, 625, 636, 656, 665

<223> unknown base

<400> 291

aaccatggg gccaaagtcaa aagcccnacg gtntccagg caagggcatg 50  
 ggcattggggg tagganacgt gaacctggaa gtaatcccag ccttgcngtc 100  
 attagtgtgt tacctcaggt aaagggggggg aacctacag gactgttaca 150  
 aggattaaat gaaggaattt aagtgtgtgc atgtatntgg catgtagaaa 200  
 atacagtgtg gtggggagag aacagattnt agaaccagac tgcttgagtt 250  
 caaatcccag ttntgttgt tctggctgt gtgacctgg gcaaatcact 300  
 tagctgtnt gggnttcaga tttctcatct gacaatgaag ataathaaat 350  
 acctatcttt atggttgtag taaggattaa atgaattgaa ataaagnttt 400  
 tagattaata cttgatatgc tacataggtg tcagccattg ttaatcantg 450  
 ntgtcattat agntattatc aacatgatta tttgctntaa naggaactca 500  
 ggcatttgca ggggtgtggg aacctgagc tgggtntccc ctgttgggtg 550  
 ttgtgtcccc atnataacct taggncaacc caggtcaggt cagggggatg 600

tgcccttntt ttcttggncc aggtntgtta ggccancagc tttgctcat 650

acgtgngcag caggtngtta tgg 673

<210> 262

<211> 613

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 54, 71, 73, 89, 104, 127, 142, 177, 308, 409, 423, 430, 451, 468,  
503, 551, 558, 581, 598, 622, 629, 632, 660

<213> unknown base

<400> 262

ctaacccacag ttgaattttt ggagcttggt ggatttgccc attgccagcc 50

caantatggt ggggaaaagt ntntgagtgt cattttgent gttgaagctc 100

tggtaaatgt gattattgat ctgagaatga atctttntta gntattccaa 150

actagttat ttttgcagtt ttggantttt tttcttcatt ggaactccca 200

aaaatcgat tgettttgcg tgttttttta tttgctgat aactgatcc 250

ttctttgaca tttattttag tggactttca gtaactgaaa gatggaaaac 300

ctttttgac cgtggaagaa tttgcagaag actttcagtc gtttttgcgt 350

gaatgattga gcttacattt tttattcttt ccgactccaa acttagagac 400

acaaactntt ggtatcttgt aanacctggn tttccattt ttggaatttt 450

ntggatgatt tgtcatanta tttttttttt aactctttgg ggattccata 500

ccnaattaaa tgactgccat aaagttatatt ttactcacag gacagattac 550

natagcmtg atagaatcat ggcacccaaa nggatgcgcc atttttgntt 600

gatttcagag cagttggtgt tntttagtnt tnttgcacaa gogattttgg 650

gagtagtttn ccg 663

<410> 293

<411> 603

<412> DNA

<413> Homo Sapien

<420>

<421> unsure

<422> 23, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477,  
507, 518, 524, 541, 587

<423> unknown base

<400> 293

tcacagattt ttctccctgg tntaaggctc tggttcacac ccnaggaac 50

cagtttggtc ctgggcaagc cactgcttat aggataaggn aagatcaaat 100

aatcatntc agggagaaca aggnccagcc ttctctctct attcaactcaa 150

acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200

ctcaaaggac tgttcattggt cttagagatga aagagcccag tcaacagtta 250  
tactgtgtgg tggggggggg agggtaatca cagggtatct atgggtacaa 300  
aaaggaggca ccttgacctc accagaaata gctacctgt gccataggct 350  
ntaggcagac tttaactgaca ttgaananc ttttgacgnc aattancaaa 400  
aagactacat gtgtaaatgt gacagaacag ggattcagag cctgaatggt 450  
tangoctgct ttatcctcat tttgtcctg tggaggcaga ggtgggaaaa 500  
ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatctgt 550  
cataagtctc tgatggctct ttggtttcta gctatanctg tgtccactag 600  
tgc 603

<110> 294  
<111> 704  
<112> DNA  
<113> Homo Sapien  
<120>  
<121> unsure  
<122> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,  
509, 626, 665, 679, 691  
<123> unknown base

<400> 294  
ttaagtcctt ttaaaatggt ggaaatcttt ggnacaatta tncggaaatt 50  
tttaattttt aaggaatttt ggaaagtagt ttaaagatag ccctttttta 100  
aaattntaag atcaagcaaa tnaagcttat ttttaaggat tcaaagnata 150  
aaagccttca gttaaataagt aaaatttttg tttattntag aaaacagntc 200  
ccttcacacag tgagtggctt ttcacacatt gcagttgtta atggtttact 250  
gcctttgcca tttttaatta tgaggctaaa gatgtttttg acaccgcaca 300  
tgttgtgttat ggcttccttg atatgtcttc gacagctctt tggctggctt 350  
tttgcagag ttcgttttga gaaggctatc tttggcattt taacagtgat 400  
ctcaatacaa gggttatgca accctcgtaa tcaatggagc ataataaggag 450  
aatttaanaa tttgcctcag gaaaaacttt tncnagtgga tcaaatncag 500  
taacacatca gatgtgtct ttgcaggtgc catgcttaca atggcaagca 550  
taagctgttn tacacttcct cccattgtga atcatccaca ttacgaagat 600  
gcacactttn ggcttggttg cagtangctt gaaatctggg atgtggaaga 650  
cccttccaat gcagntaacc ctctcttang tagcgtcttg ntccaagacg 700  
ccac 704

<110> 295  
<111> 504  
<112> DNA  
<113> Homo Sapien

<220>  
 <221> unsure  
 <222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,  
 389, 446, 482, 485, 493  
 <223> unknown base

<400> 295  
 tccaaaaaaa aaataatgga aaactggaaa gagaaaaatt gtttcaaaaa 50  
 ctatagcaca cctgttgta gattcttgtc ttgcctaang tttttcaatt 100  
 ttantatttt ctacagtttg gaccgaatto taatttttnt tgactacaag 150  
 tnttcaaaat aatgntttca nttttttctt cttttttcca tttttttcca 200  
 atttggagtc nctgaaaact aanctgtgct ttcataaagc cctgcaaaact 250  
 gaattctagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300  
 aagcaacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350  
 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400  
 cctccccccta ttttgtcttt atgggacatg acacttcaca acctntaaa 450  
 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccato 500  
 ctatg 504

<210> 296  
 <211> 557  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 43, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,  
 465, 495, 526, 538, 552  
 <223> unknown base

<400> 296  
 ttttttttcc ccttttgggc caggtcgggg tatgataggt cgggggaanag 50  
 ggggtctttg aggcgcaggg cgaggccgtg gacgagggaa aggtgccctt 100  
 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150  
 tatgtcgaaa acnaaaggac acctggatgc tgagttggat gcctacatgg 200  
 ngcagacaga tncgcgaaac aatgattnaa gcttgcccat cctnccatga 250  
 nagactnttg ttagtcaaca catctgtaaa taaccttgag atnacagatg 300  
 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350  
 ttacttgcca ccagnttggt catttagtgt gttcctttta ctttttgata 400  
 ctgtgttgta tgaaaccctt ttgtcctttg atttggtttt ttgnttttgt 450  
 ttttttangg ggganggggg gtttcccttc ctttgcccag acctntcttt 500  
 gaacacaaat gcattagcct tgtggntaga acacctntt cctacctctg 550



tntcccc 557

<210> 297  
<211> 501  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 45  
<223> unknown base

<400> 297  
ggtaattggaa aaccgcgaat tacatttgaa ccaacctaata agatntaagg 50  
aaaagcgctt tccattcgta gcatacgtct ggccacatcc cttgtgagcc 100  
actgpgnccg gcttggttggc cgtatttttg gaatgcattt ggagcttggg 150  
tcaatagttt ttgttttcat gtgatgtcac caacatgttg cctatacaga 200  
ttgtaatatcc cttatccaaa atgcttgcaa ccagaagtgt tttggatttt 250  
tggatatttt tttggatttt ggaatatctt catgtaaata atgagatttg 300  
ttggggatca gactcaagtc taaacatgaa attcgtttat gtttcatata 350  
tactttatac acatacctta aaggcagttt tatacagtat tttcaatgg 400  
gtgcatgaaa caaagtttgt gttcatgcat ccatcagaaa gcaaagatgt 450  
caatgtctca gccacacgtg gacaatctgg ttggttagcg tcccatcgt 500  
t 501

<210> 298  
<211> 515  
<212> DNA  
<213> Homo Sapien

<400> 298  
gggtccgcgt gccgacatgg gaaagtctct ttctcatttg cctttgcatt 50  
caagcaaga agatgcttat gatggagtca catctgaaaa catgaggaat 100  
ggactggtta atagtgaagt ccataatgaa gatggaagaa atggagatgt 150  
ctctcagttt ccataatgtg aatttaacagg aagagatagt gtcacctgcc 200  
ctactctgca gggaaacagga agaattccta gggggcaaga aaaccaactg 250  
gggcaatgat tccatatagt gatcagagat taaggccaag aagaacaaag 300  
ctgtatgtga tggcttctgt gtttgtctgt ctactccttt ctggattggc 350  
tgtgtcttcc cttttccctc gctctatcga cgtgaaatac attggtgtaa 400  
aatcagccta tgtcagttat gatgttcaga agcgtacaat ttatttaaat 450  
atacaaaaca caataaatat aacaaacaat aactattact ctgtcgaagt 500  
tgaaaacggaa cccct 515

<210> 299

<211> 481  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 168  
<223> unknown base

<400> 209  
gagcgggagcc ggccggagcct ctggaatcac ccgggctcgct gttcctgagc 50  
agctgcagag catcgagggc tggagaggag cacatactgt ccattggagct 100  
ggctggtcaag gtggacaggg gcggtggtga tggcgcagtt tgacactgaa 150  
taccagagcc tagaggcctc ctatagtgat tcacccccag ggaggaggac 200  
ctgttggtgc acgtcgccga ggggagcaag tcaccttggc accatattga 250  
aaaacttgac ctctctctct ctcgagtcca taatctgcac cagaagaatg 300  
gcttcacatg tatgctcctc ggggagatct ttgagctcat gcagttcctc 350  
cttgtggttg ccttcactac cttcctggtc agctggtgg actatgacat 400  
ccatattgac aacaagatgg tgaaccacag tcttcaccct actgaaccgc 450  
tcaaggctac tctgccagac gcctttttgc c 481

<210> 300  
<211> 458  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457  
<223> unknown base

<400> 300  
tatggaacag cctccttttg acancagtta cgggctggtg gtggcagggt 50  
ctgtttctggt cctgggagcc atcatcggtg actgggtgga caagaatggt 100  
agatttaaag tggcccagac ctcgctggtg gnacagaatg tttcagtcac 150  
ccgtgtgtgga atcatcctga tgatggtttt cttacataaa catgagnttc 200  
tgaccatgna ccattggangg gttctcactt cctgntanat cctgacatc 250  
actattgcaa atattgcaaa tttggccagt actgntactg caatcacaat 300  
ccaaagggat tggattgttg ttgttgccagg agaagacaga agcnaactag 350  
caaatatgaa tgcncataa cgaaggattg accagttaac caacatttta 400  
gcccccatgg ctgttgcca gattatgaca tttggctccc cagtcacgg 450  
ctgtggnttt atttcggg 468

<210> 301  
<211> 466  
<212> DNA

<213> Homo Sapien

<400> 301

accgcctgac cgtgctggct ggtgcaatgc ttgccttggg actaatgaca 50  
tgcctgtcag ttttgtttgg ctatgccacc acagtcaccc ccagggctca 100  
tacatactat gtttcaactg tattatttgc cattttttggc attagaatgc 150  
ttcgggaagg cttaaagatg agccctgatg aggggtcaaga ggaactggaa 200  
gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250  
actttttaat ggacggggag atgttgaaac ggggtacaagc ataacagtac 300  
ctcagaaaaa gtgggtgcat tttatttcac ccatttttgc tcaagctctt 350  
acattaacat tcttagcaga atgggggtgat cgcctcaca taactacaat 400  
tgtattggca gctagagagg acccctatgg tgtagccgtg ggtggaactg 450  
tgggcgaaac ccttgc 466

<210> 302

<211> 648

<212> DNA

<213> Homo Sapien

<20>

<21> unsure

<22> 10, 15

<23> unknown base

<400> 302

tgcacccan ggggnccgcc gaacgcgtgg gaccatatag agaaatagca 50  
tgaatatatt tattaggaga tgtttcaaag actgtattcc aatgggttaa 100  
tgaagttcca aaacctcttt aaggaacact gcaagttgag cctctgctgt 150  
tttaatatgt aggtgacctt gcctgagtcg gtctttttga atttcaattt 200  
tcttatcttt aaaatgaggt ttttgggtgat ccttcagttt cctttcagct 250  
ctggaatttg gtgggtaagt taccttgaat gtgtatcttc tcttggttaa 300  
tttttaaaaa acaatataga aggaacaaaa tcttttttac tctatttttt 350  
tagaaataac ccttaaacct ggtaatatat tgacgtgttt ttttcaaact 400  
tgtctgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450  
ttttgtgtgc atgttaagca tttgggtatgt tattttaaag tggaatgcct 500  
tgaagaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550  
ctgacttaca attttttggg atttgatatt atgtataatt atatcctgca 600  
tttactttagc atattaagga tttttttata tgtaatttta aagtggaa 643

<210> 303

<211> 444

<212> DNA

<213> Homo Sapien

<220>  
 <221> unsure  
 <222> 83, 103  
 <223> unknown base

<400> 303  
 atttttttatg tattcatagt ataaaagacc ttcagtaa at aggtaatat 50  
 ttgtttttat tctagaaaac agctccttga acncagtaag ctggccttttc 100  
 aacacattgcc agtggttaagt gtttactgcc cttgccattt taattatgag 150  
 gctaaagatg tttttgacac cgcacatgtg tggttatggct tccttgatat 200  
 gctctcgaca gctcctttggc tggtctttttc gcagagttcg ttttgagaag 250  
 gttatctttg gcattttaac agtgatgtca atacaagggt atgcaaacct 300  
 cgttaactca tggagcataa taggagaatt taataatttg cctcaggaag 350  
 aacttttaca gtggatcaaa tacagtacca catcagatgc tgtctttgca 400  
 ggtgcacatgc ctacaatggc aagcatcaag ctgtctacac ttca 444

<210> 404  
 <211> 427  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 41  
 <223> unknown base

<400> 404  
 atgaaatcct gctttctttt cctcagaact actatattca gtggctaaat 50  
 ggctcctga ttcattggtg tggaatctgg ntccctttt ttccaacctt 100  
 tgggttaattg gaattgatgc cctttgcctt tttctttctg gaatcagaag 150  
 gttttgctgg cctgaaaaag ggaatccgag cccgcatttt agagactttg 200  
 gctatgcttc ttctctttgc gttactcatt cttgggatag tgtgggttagc 250  
 ttcagtaactc attgacaacg atgcgcgaag catggaatct ttatatgac 300  
 tctgggagtt ctatctacc cttttatatt cctgtatata attgatggga 350  
 tgggttttac ttctctttg tacaccagtt ggcttttctc gtatgttcac 400  
 agtgatgggt cagttgctag tgaagcc 427

<210> 405  
 <211> 500  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 14, 19, 27, 54, 65, 126  
 <223> unknown base

<400> 305  
 atagtattaa gtcnattgng caagtgnago cttagaagat ttggagtgtt 50  
 tttnactett tttcntgggtg gcttagaatt ttctccaaga aaagttaaga 100  
 aaggtgtgaa gatttcetta caaggncogt gtacatgaca ctgttaatga 150  
 ttgatttggg cttgtgtgtg gggcatctct tggggatcaa acccaagcag 200  
 aggttcttca tttccagtg tctgtccttg tcaagcacac ccctcgtgtc 250  
 caggttctct atgggcagtg ctgggggtga caaagaaggt gacattgact 300  
 acagaccgt gctcctggc atgtgtgtac gcaggacgtg cagctcgggc 350  
 tcttcattgg cgtcatgcc actctcctac aggcggggcg cagtgcctct 400  
 tctagcattg tctgtgaagt tctccgaatc ctggttttga ttggtcagat 450  
 ttttttttca ctaggggcg tttttctttt atgtcttgt ataaagaagt 500  
 atctcattgg acctattat cggaagctgc acatggaaaag caaggggaac 550  
 aaapaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306  
 <211> 492  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 120, 215  
 <223> unknown base

<400> 306  
 aacctatata aaatagtttt tagcagttta tagctgtgac catcaagtca 10  
 gataatttgg gatgttcaca gagagctctg ggtgattatg acagtgacca 100  
 cccacatctc ttatttggtn tgcttcattt ctctactagg gagaggaggt 150  
 catataaatat atggtatttt tatgtttatt tagataaatc catatcaaca 200  
 cagracagga gaacnaatta tccccctgg tagattttgg ggtataaacg 250  
 tcatgaaatg tttctcagaa agtgagaaat atttcttgat tgtatcttta 300  
 aaaataatgc aaaattgtta tgttactcca taatttattt gtgtgcatta 350  
 ctgaaagggt catgtgtatt catattaaat tttttctttt aaaaattggg 400  
 ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450  
 ttctcccttt ccataccaag catatcttgc ttttgggtaca gg 492

<210> 307  
 <211> 495  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307

ttactttgtga gtatcatent gtcttttaat cctgtaccct aaaataagna 50  
atacatititt gacanaggct taatgtttta acaaaaagagt gtggacattt 100  
ttatttttaaa atttaggcaa aagtcactat caaatgggtg cttattttgtc 150  
tcacacaccc atatagtitt tcttggangg ttttggtttg ttgttggtga 200  
aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaatt 250  
gttgaaagggt ccagttctca gtaccatgtg agttaatgat actacaacta 300  
agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350  
atgcaaaatc tgtttctact acaatgttat ttttactaat gcottattgt 400  
tgcactcttt ttgaaatata ctgcagtga tatatgaatc aatttgggct 450  
taaaactgaa agccagttgg ctgaaagggt tgaaatacgt acccc 495

<110> 308

<111> 478

<112> DNA

<113> Homo Sapien

<210>

<211> unsure

<212> 1\*, 43, 154

<213> unknown base

<400> 308

ttcttttttt tccccatntc attcattcag gctcctttcg canaagtgag 50  
gtattttagat aatcaaaaac ccacacaaga cctcaacagc aaatacagat 100  
gaaatglaat tattatttca attaaaaagg gaataatatt tgtaggccat 150  
tgnacaggt attctctcgt tttaactagt ttgtctgcat ttaaattaag 200  
tuctgccttt cagctttttg gtacagctat aagtgcacat tggaaattat 250  
atgtatatat atatagagag agagagagag agagaaaatg actgctgggt 300  
tagtgtgtgt cctcagatc ataccactac gagtgcctca gcctggaaaa 350  
gctaaccatg aaattgataa caatacgtt ttggaaatga aatcaggtaa 400  
gaatcacata tgtttgaaat tgttttaaat aacattgtca tttttcttgt 450  
gttatctggg ttgtgggtta tctctttg 478

<110> 309

<111> 469

<112> DNA

<113> Homo Sapien

<210>

<211> unsure

<212> 24, 132, 155

<213> unknown base

<400> 309  
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 ttccagctcg ggtttccggg ctcagaattt tccaggagtg ggttcttggg 100  
 cagtggctgt ggaacaggaa tggcgccagct anagggttac tgtttctcgc 150  
 cgcctttgag ctgtacctt ttagtgctct gctcctctt ctcgccttc 200  
 agcggggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250  
 ggcccgagcgc tactgtgagg gccatttctc cctttcccag tgggatccca 300  
 tgattactac attacctggc ttgtacctgg tgtcagttgg agtgggtcaaa 350  
 cctgcctatt ggatcttttg atggtctgaa catgttgtct gctccattgg 400  
 gatgctcaga ttgtttaatc ttctcttcag tgttggcaac ttctatttac 450  
 tatatttgc tttccacaa 469

<L10> 310  
 <L11> 524  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure  
 <L22> 4, 15, 206, 227  
 <L23> unknown base

<400> 310  
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 ctgggactcc aacctgtctg tgcacacaga aaaccgggac ctcactccct 100  
 gcttccagaa ctcctgtctg gcctgggtgc cctgcctcta cctgtgggtc 150  
 gccctgcctt gctacttgt ctacctgcgg caccattgtc gtggtacatc 200  
 attctntccc acctgtccaa gctcaanaat ggtcctgggt gtctctgtgt 250  
 cgttcgtctc ctggggggac cttttttact ccttccatgg cctgggtccat 300  
 cgcggggccc ctgcccctgt tttctttgtc accccttgg tgggtgggggt 350  
 cactatgtct ctggccccc tgcctgataca gtatgagcgg ctgcagggcg 400  
 taccgtcttc ggggggtctc attatcttct ggttctctgt tgtggtctgc 450  
 cccatcttcc ccttcctctc caagatcttt ttagccaagg cagaggggtga 500  
 gatctcagac cccttcgccc tcac 524

<L10> 311  
 <L11> 501  
 <L12> DNA  
 <L13> Homo Sapien

<400> 311  
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ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150  
 gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200  
 aggcagcagc aggcagagct cctggctgtg attgagaggc tggggaggga 250  
 gcgagagggc tccctccaca gcaatgacct cttcttggat gccagctgc 300  
 tccaaagaac tggagctggg gcttgcagg aagactacag gcagtaaccag 350  
 gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgaggggaga 400  
 cgagagtaac tgggcataca aggcgtctct cagagtcaaa cacttgatgc 450  
 tttgcatta tgagattttt gttttcttat tgttgtgcag catacttttt 500  
 t 501

<210> 312  
 <211> 655  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 85, 118  
 <223> unknown base

<400> 312  
 tctttgttct cacaagttat ctttacattg gaatgaccct gaattaggaa 50  
 gttgaagtga acttgggttg atttggtatc tgcntaaaaa qttagaaaat 100  
 tagctcattt gacattnttg ctccgtgttt tgcctgtttt ggttcctaca 150  
 tatttttgca aagatcaagg aagacctttg aggcctctct ttatctctta 200  
 tttttattac tatcacccca attcaagtca tcatcattac cctggacttc 250  
 tgggatatgt tcccactgtt cccactcctc tactcttgcct cactgccttc 300  
 cccccaaccc cctctaaatt cattctccag atagtgaacta gagtgaatcg 350  
 actatatctt ctcttttctt gctctggata taatttatat cttttcctgc 400  
 tcttgatata atttatatcc ttcattctcc attttgtgtc cctgtgtgtc 450  
 caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500  
 tgaatttggt gaactgggga ggggtcaagta ggagatcagt gtgtgggaga 550  
 agaagaagt ttgagtattt atcacctagg aagggggact tccaggacac 600  
 tgtttggcag ggatgctggg cctctactgg aggcctagtt ccgactgtgt 650  
 tgcgc 655

<210> 313  
 <211> 239  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure



<222> 226, 234  
<223> unknown base

<400> 313  
tttttttttt tttttttttg gattaatgag gaaatcattc tgtggetcta 50  
gtcataattt atgcttaata acattgatag tagccctttg cgtataaact 100  
ctactaaag actcacatca tttggcagag agagagtcgt tgaagtecca 150  
ggaaatcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200  
actgtgggac aaggetcggg tcccancogg acgngtggg 239

<210> 314  
<211> 175  
<212> DNA  
<213> Homo Sapien

<400> 314  
atttgggttt tttttttcca aaaattgctg aaatattgtt ttgccatttt 50  
taaaaaagtct caggttatta ccactctgcc attaaatatt tgtatgootg 100  
catrtttaaa aattctgtgc atgtacttta tggagtacat tctatttttg 150  
ttttcagata ccccgagcgc gtggg 175

<210> 315  
<211> 171  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 252, 355, 369, 486, 539  
<223> unknown base

<400> 315  
cggacgctg gggaaaacct gcttcaagg gttttttgtt ttgttttgtt 50  
ttgttttttg ttgttttggg ttgtttttgt tttggttttg ttttgaaaag 100  
gagtcctcgt ctgtcgccca ggtcggagtg cagtggcgca atctcggctc 150  
actgcaagct ccgcctcccg ggttcacgtc attctcctgc ctgagcctcc 200  
cgagtagctg ggactacagg cgtccactac cagccttgga taattttttg 250  
tattttcagt anagaagggg ttccaccgtg ttagccagga tggctcttgat 300  
ctcctgacct catgatcccg cctgcctcgg cctcccaaag tgttgggatt 350  
acagnjcgctg agccaccgng ccgggcacct tcaaggtttt gttaattttg 400  
gataatgcta caatcgtttg ctgcaaagaa ctcgaaaatg cacacgccaa 450  
cataggaggt ctttttatgc ccccaaacat taagtntttc atccaacccc 500  
tcaatcgggg cataataaaa gcattcaagg cacactacna caaggagct 550  
ttatatgaag gctgtgagg ctctcaggac caacaaggaa accaccatgc 600  
tggaactattg gaagtgggtc actacatgca acgttattga ttatgtcagt 650

acagcctggg agagcattgg tcaggctact accaataact gttgggaaaa 700  
 tgtttggcca gactgcgtgg agaattttga agggtttgaa ggtgttacag 750  
 aaaaatataaa gaacactgtc agagacataa tgcataatggc acagcaggta 800  
 agtgagagagg gctttgatga cgtgaaggaa ggagatgtgg agtacatttt 850  
 ggcagagaag gcagtggaa caaccaacga agacotggat gagatggcaa 900  
 aacaagycat tggagttgat ggccatgaaa gtcggcccaa gacttcaga 950  
 attgtccttc tcacagcgc c 971

<10> 316  
 <11> 673  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 67, 115, 126, 132, 135, 274  
 <23> unknown base

<40> 316  
 aaattcact tcttgattt tggaaggcca aaacatttt tccccatggg 50  
 atacatccc atgtttntgg cacaatcctt ctttgaaaat aatatggaa 100  
 tagatatat ttagnacatta cgttcntctg gntgnatgac atcattcaag 150  
 agcttttcaa agcatttggt cagatcttca gtactggcca gttttcatac 200  
 agctctgggg ttttaaaact ttgaaatcaa ggacacgacg tctccagtc 250  
 accctccaga gattagttga aacncagaat atagcgcacat cattcgtgaa 300  
 aggcttctt ttgcgggaca gaggatcaga tgttgagagt ttggacaaac 350  
 taaagaaac caaaaatata cctgaagctc accaagatgc atttaaaact 400  
 agttttgggg aaggtttttc tgaaagctca agcactcaca caaaaaacca 450  
 atgattcctt aaggcgaacc cgtctgattc tcttcgttct gctgctatto 500  
 agcatttatg gacttcataa aaacccattt ttatctgtcc gcttcggac 550  
 aadaacaggg cttgattctg cagtagatcc tgtccagatg aaaaatgtca 600  
 cctttgaaca tgttaaaggg gtggaggaag cttaaacaaga attacaggaa 650  
 gtttttgaat tcttgaaaaa tcc 673

<10> 317  
 <11> 557  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 27, 43, 52, 59  
 <23> unknown base

<400> 317  
 ggttgaggca ggttggggtt gaaactnttc accccttgcg gtntgtactg 50  
 cntcccaant gaggagccag gagaaggcta gaggctgtgc ctttcagcta 100  
 gataagctgga ggaactggtc ctccctcctt aggctgtgct ggctgagct 150  
 gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200  
 ggtaagagcg ttacatcctt actattcaaa gtgcatcca cagacctgt 250  
 gatgggcagc atgagatca cctgggagct tgcgcgctg tagaatcttg 300  
 aggggtctcc atccagatca gctgaatcag agtttgcat gttaacaaga 350  
 ttctgctct cagaagatgc actattatag atactctaac gccaaaggtca 400  
 gctgctggta caagtactc cttttcagct acaacatcat cttctggttg 450  
 gctggagttg tcttccttg agtcgggctg tgggcctgga gcgaaaagg 500  
 tgtgctgtcc gacctacca aagtgacctg gatgcctgga atcgacctg 550  
 tgggtgc 557

<210> 318  
 <211> 570  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 1, 38, 52, 104  
 <223> unknown base

<400> 318  
 ntgcagtc aa cgcagcttcc cgggttcagc ctgggaanat gcgcgaatcg 50  
 unaaccccag agcccggttg ttagaccggg gtcgcgcgct tccccacag 100  
 cccntttcct aatcggtcag acggagcctg gtcgacttcg ccggagactg 150  
 ccagatctcg ttctctctcc ctgtgtcctc ttcttaatta taaataatgg 200  
 cggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250  
 atgnattaca cgcctcccat gcatcaagaa gcacaggagg agacagttat 300  
 caaactcaaa ggatagatg caaatgaacc aacagaagga agtattcttt 350  
 tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatcac 400  
 gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450  
 cagggtcata acaaagtgtt ccatcattgt tcttctgtgg gctgtagttt 500  
 ggtrcaattac tggcagtga tgtcttctg gaggaaacct atttgggaatt 550  
 ataactctat tctattgtgc 570

<210> 319  
 <211> 698  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 27, 57, 82, 87, 148  
 <223> unknown base

<400> 319  
 tcagcgggta agaaaattct acttcnngg atttttgtaa aaggcaaaaa 50  
 cctttnttc ccattggca tacattcca angttntgc ccaatccttc 100  
 ttngaaaat taaatatgga acttagatat atttagtcat tacgttontc 150  
 tgggttgat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200  
 ttcagtactt ggccagtttt catcacgtct cggggtttta aaactttgaa 250  
 atcaaggaca cgaagtctcc agtctacctc cgagagatta gctgaaacac 300  
 agaatatagc gccatccttc gtgaaggggg ttcttttgcg ggacagagga 350  
 ccagatgttg agagtttggg caaactcatg aaaaccaaaa atatacctga 400  
 agtcaccaa gatgcattta aaactgggtt tgcggaagggt tttctgaaa 450  
 gcttaagcac tcacacaaaa aaccaatgat tccctaaggc gaaccogtct 500  
 gattctcttc gttctgctgc tattcggcat ttatggactt ctaaaaaacc 550  
 cttttttatc tgtccgcttc cggacaacaa cagggttga ttctgcagta 600  
 gatctgttcc agatgaaaaa tgtaaccttt gaacatgtta aagggttggg 650  
 ggaagctaaa caagaattac aggaagttgt tgaattcttg aaaaatcc 698

<210> 320  
 <211> 443  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 4  
 <223> unknown base

<400> 320  
 gconagcgga cgggcccgtt aaacgggctg ctctgcccga ttcttttacc 50  
 tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100  
 cctgcctcaa gattctcttc agcaaaggcc tggggctggg cattgtggct 150  
 ggctcacttc tagtaaaget gccccaggtg tttaaaatcc tgggagccaa 200  
 gagtgetgaa gggttgagtc tccagtctgt aatgctggag ctagtggcat 250  
 tgaactgggac catggctctac agcatcacta acaacttccc attcagctct 300  
 tgggggtgaag ccttatctct gatgctccag acgatcacca tctgcttctc 350  
 ggctcatgcac tacagaggac agactgtgaa aggtgtcgtt ttctcgtt 400  
 gctacggcct ggctctgtg gtgcttctct cactctgac gcc 443

<L10> 321  
 <L11> 477  
 <L12> DNA  
 <L13> Homo Sapien

<400> 311  
 gtttggcctga ttcctcccac cagaggacag acgttgaaag ataccacgtc 50  
 cagttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100  
 cccagatgca gtctacacag aactccagcc cactctctca accccaacct 150  
 ggcctgtgtg tgaaacacca caaccccaga cccagaccca gcaactggaa 200  
 ggaacgcatg ggctcttagt gacagatcca gagacacaca agagcaccaa 250  
 agcagctcat cccactgatg acaccacgac gctctctgag agaccatccc 300  
 caaacacaga cgtccagaca gaccccaga cctcaagcc atctggtttt 350  
 catagagcat accctctctt ctatgatgaa cacacctcc ggaaacgggg 400  
 gctgttggtc gcagctgtgc tgttcacac aggcacatc atctcacca 450  
 gtgaggagc gtggggggac gcgtggg 477

<L10> 321  
 <L11> 505  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure  
 <L22> 49, 75  
 <L23> unknown base

<400> 323  
 cagtgccctt agattgtgtt ttgcctcttc caatgtagag ttgacatntg 50  
 cacccccag cccagcaggg cttntgtca gacatgtagg gtggtagaaa 100  
 tggccctcc aggtccccc gcagtgcact gggcagagac ctccggaaaag 150  
 cggccaggg gagcgcttcc tgggcagctt ccccagcac agtggttcca 200  
 cactagttca tccggaaaac agtctgtaca gcaaatgctg tgtgagatct 250  
 cagctcttc actttttttt gttttgtttt gtttttgaaa gaaagaaaaa 300  
 cactcaatta acaagcctct tttgtaaagt ggtttcttt ctatgtataa 350  
 cactgtgtg gtccttgtt tttacatgt catgctgtgt aattttgaga 400  
 cgttaccag atatgttctg aacataatgt gcatttttt ctgtacagat 450  
 gaaatggag aatttaataa agagtttgca gccacgcgt ccgcggacgc 500  
 gtgag 505

<L10> 323  
 <L11> 632  
 <L12> DNA  
 <L13> Homo Sapien

<120>  
<121> unsure  
<122> 21, 75, 80, 107, 117  
<123> unknown base

<400> 323  
gaagtgttca ctggacaatt ngcaagttag gtccagttcc agttggagga 50  
ttcttcatt gtccaaggt gtgnaattt caatggctct gatctccatt 100  
ttgtgncaa tctatttcaa tgcataatt gcttatagtc tttactacat 150  
gtttgcttct tttcaaagt aactaccatg gaaaaattgt tcttctgggt 200  
cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250  
aaagtgaata aaggaataca agagatcacc caaatgaata aaagctgggt 300  
agacatcaac aattttacct gcacaaagg cagtgaatt tatcagccag 350  
ggcagcttcc cagtgaacaa tattggaata aagtggcgtt ccaacgggtca 400  
agtggaatga atgagactgg agtaattgtt tggatattag cactttgtct 450  
tctctgggtt tggctcatag ttggagcagc actattttaa ggaatcaaat 500  
cgtctggcaa ggtggtatat tttacagctc tttccctcta tgtggtcta 550  
ctcctctgt tagtacagg tgcaactctg gaggggtgctt caaaaggcat 600  
tctatactat attggagccc cggacgcgtg gg 632

<110> 324  
<111> 502  
<112> DNA  
<113> Homo Sapien

<110>  
<111> unsure  
<112> 9, 24  
<113> unknown base

<400> 324  
cgggggcnt acaccactgc ctgngtcttc accaccgccg ccgtgcagtt 50  
ggaattgato acaccttttc agttgtactt caatcctgaa ttaatcttta 100  
aacactttca aatatggaga ttaatcacca acttcttatt ttttgggcca 150  
gttggattca attttttatt taacatgatt tttctatata gttactgtcg 200  
aatgctagaa gaaggctctt tccgaggctg gacagcagac tttgtattta 250  
tgttcttttt tgggtggattt ttaatgaccc tttttggtct gtttgtgagc 300  
ttagttttct tgggccaggc ctttacaata atgctcgtct atgtgtggag 350  
ccgaagggaac cctatgtcc gcataaactt cttcggcctt ctcaacttcc 400  
aggcccccct tctgccttgg gtgctcatgg gattttcctt gttgttgggg 450  
aactcaatca ttgtggacct tttgggtatt gcagttggac cggacgcgtg 500  
gg 502

<10> 325  
<11> 375  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 9  
<23> unknown base

<400> 325  
\*gcaaatntt gagattcaga gactaaagta atttatttat acatagctaa 50  
tcagtgcag agtgtgaat ctaagattat cttgctotta atcacaaaaa 100  
\*acacagtta ttagttgttt gcatttgatg caaatgactt ggaaccacaa 150  
cattttacac attttaatg aatgaaatga ctagtgtgat tcattacaag 200  
tttgtgaaa tttgcagct aggttttaa ttaagaacac cagatttatt 250  
taaatacaat ttaaaatcat tgtattccaa atggaagttt tttctataa 300  
gaatacagg ctggatgtgg tggctcacac ttgtaacct agcactttgt 350  
ctggccagg aagcgacgc gtggg 375

<10> 326  
<11> 178  
<12> DNA  
<13> Homo Sapien

<400> 326  
\*gtcaggattt ttgaagtttt ttttttata gtgagataat ggagttggtc 50  
ttaagcctg caggagcct tctttctgt ggattcatca tctatgacac 100  
cattcactg atgcataaac tgcacctga agagtacgta ttagctgcca 150  
ttaagcctta ctggatata atcaatctat tctgcgga cgctggg 198

<10> 327  
<11> 489  
<12> DNA  
<13> Homo Sapien

<20>  
<21> unsure  
<22> 18  
<23> unknown base

<400> 327  
caagttaggt gatccagntt ttgtggtctt ttgcaacct tgtggtcatt 50  
gtgoccttga tattaatctt cgtggtgggt cctcgccatg gcagacaaac 100  
attcttgtgt acataacaat ctgctctgta atcgggagct tttcagcttc 150  
ctgtgtgaag ggccctgggca ttgctatcaa ggagctgttt gcagggaagc 200  
ctgtgtgag gcacccctg gcttggtatc tgctgtgag cctcatctc 250  
tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350  
 taacttggtc agctattttt ttttaaggagt ggcaagagat gcctgttgac 400  
 gatgtcattg gtactttgag tggcttcttt acaatcattg tggggatatt 450  
 cttgttgcat gcctttaaag acgtcagctt tagtctagc 489

<210> 328  
 <211> 559  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 43, 46  
 <223> unknown base

<400> 318  
 aaagtgggtc ttttagggta aagagtttta aagagttaa tgngtntatg 50  
 gcaggtttgg gaaaggtaag aaatgggtcc ttttctctcc taatgttttt 100  
 ggcacttaaa acataaaatt cattatccta ttaaaaaatt aaattcagtt 150  
 tgcataatcca gaaattgttc ccaaatgaaa acttgtttta agtccacccc 200  
 ttaqtttctt tattttacaa ggtctctctt cagggaccaa caggggctta 250  
 gagagcctta gttagattaa agggagaccc tactcttaa aaccagtttt 300  
 cacttatgga aacaaggaca attaaggga cctgacccc acaggetctc 350  
 taqctctccc aaggccagaa tcgaaagaaa attaaaaatt gaatgctgaa 400  
 tattctgggt ctactctggc cttttttctt ggttcccttc caaaatgcac 450  
 aaatcacacc cttgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500  
 ctcttgggcc ccttagcctc atgctatccc aggagtatca ggaccagaca 550  
 catccacgg 559

<210> 329  
 <211> 523  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 4, 14, 60, 71, 99  
 <223> unknown base

<400> 329  
 ggcnacggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50  
 gtccccatgn atgtggaacg nagtcgctt cccctactgc gtggtgtgna 100  
 cgcaccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150  
 atctgcacat ccacaggagt cattcgggac ttgcggggcc cctactttgt 200  
 ctcagaggac aacatggcct ttggaaagcc tgcacagtac tgaagttgga 250



ccctgctcag gtctatgcta gggggcccaa cgcctgggac acggtctgtg 300  
 acgacgctc tgaggagtag aagcaccgca tgcacaatct ctgctgtgac 350  
 aactgccact cgcaggtggc attggccctg aatctgatgc gctacaacaa 400  
 cagcaccacac tgggaatatg tgacgctctg cttctctctg ctgctctacg 450  
 ggaagtacgt cagcgttggg gcctctgtga agacctggct gcccttcata 500  
 cttctctctg gcatcactct cac 523

<210> 330  
 <211> 365  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 83, 124  
 <223> unknown base

<400> 330  
 tttaatttaa tgttggttgt gtgtctctc ctggcaactg gattttgcct 50  
 gtttagaggt ttgattgctt tggattgcc atntgagctc tgccgattat 100  
 atangcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150  
 atttagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200  
 actgtatggc ttagtggttc ctggatgttc ctggatgcct gacatcacat 250  
 tgatacatgc tggaggctctg gctcaggtc agtcttctca cattggtgca 300  
 tctcttcctg ctagaactgc ttatgtctac agagtcctctg aagaagcaaa 350  
 aatctctttt ttagc 365

<210> 331  
 <211> 441  
 <212> DNA  
 <213> Homo Sapien

<400> 331  
 gaaaatatct ggaggtactg cacataagga ttccaatttc tattttcaga 50  
 acttttcattt gtaatttatg tacgcactca acgtctattt acgtgtatac 100  
 tgagttaggg tgtacaactt ttcctgagg ctgtatctca aaaactttgg 150  
 aagctgaaga atttgtccaa atctatgttc ctttttgttt gtaaataacc 200  
 tgatgatggt gatatagtg tggccaacga aatgtcaagg gaagtctgct 250  
 ggggaaggta gacgtaggat aggagtatgg gaaaaaatta ttcactcaaa 300  
 agcatgatgc acagaggagc tatgatcttt tcttgttttc ctactggat 350  
 gttgtcatgt ctgtatgtac ttcctggaac tgtggcacca tcttacaacc 400  
 atgaaaggag ctccatgaa atcatgttga acatagcaga g 441

<210> 332  
<211> 617  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 41-46, 52, 71, 173, 226, 275  
<223> unknown base

<400> 332  
acgttgctcc ttttcgggtt ttttggccaa ttccaagttt ccagnntcca 50  
tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100  
ccagggtctc caagggtctc acaaggcctg ggccagggtc ccacaggag 150  
gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200  
catttcctt ttggccatgg ccgtgnctc caaagggtcc ggtagtttta 250  
tgcgaatgtt ctaccaatag ccccnagaac tccaccaccc tctctctgtc 300  
ttgtggctca agtcagacaa cctgaaagga tatatttttt caaataagta 350  
attctctgtg gcaataaaaa gatacactat cttctgagtg aaatataaag 400  
agttcagagc agctgtctcc ccagtttgcg ttttcctctg cactgatgg 450  
gaaggaagca taaagataat gggatttttt ctttattttt tatttcacct 500  
ccctctctcc ctggaaggtg gaaatgtaac aaattggatt gtgagtgtgt 550  
ctgtcctttg tctttgggtc ctggagcagg gcatccggct gccgggcaga 600  
ctgtctctga gagaggtcag agctacc 627

<10> 333  
<11> 607  
<12> DNA  
<13> Homo Sapien

<220>  
<221> unsure  
<222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247  
<223> unknown base

<400> 333  
ccaagttgaa gcccatggcg gtccttaaat cctgcctgac cagggtcgcc 50  
agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100  
aagaaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150  
natgaggagg aaagaaaggt ttcanaaagc cgnccgaaat gaaagnctc 200  
ctggtttgaa ngaanttgcg aanagataaa tccagcagga naggccnaga 250  
aagatcgagg tctgcttacc tctgtttacc ttggacacca gagcagctat 300  
aggtatctgc cagagctatg aaatcattca gccggatcct ctctctctgc 350  
ttctctctgc cgggcctgag gtccaagccg ctccctcagc ccctctgct 400

ttgggctgtg gctttccgga catggcccac cccctctgaga cttccctct 450  
gaagggtgct tctgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500  
ctgggactcc ttacctgag ccttccaagc tacctcatat ggattccctg 550  
gaaaccttcc cacttgactt cactgagccc ctcaaccttg acctccgaga 600  
aactccg 607

<110> 334  
<111> 417  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 24  
<123> unknown base

<400> 334  
ctcagactca ctgaatcaga accttgggat aggcacgac gctgtgcttt 50  
accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100  
ttatttgaag ggagagaaaag gaacaggcac atggcgacat atcagcattt 150  
acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200  
agaaacaggg atcaatgcag agggcccccga ggagaatcag gaaggtcgcg 250  
actgtcactg tctgagggca ctgttgatga acgatggcgc aaggtgacaa 300  
ccatagcaaa gtttcaagga agttcactga aacgtggaaa aacctactca 350  
atgacctgct ctcatttata ttgagtggct taagtattta tttcttgggt 400  
tttttagagg aaggag 417

<110> 335  
<111> 531  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 40, 76  
<123> unknown base

<400> 335  
gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50  
ggccagccag cttgagcttg ctcacnttca aagtctatgc agcaccacaa 100  
aaggactcac ctccccaaaa ttccgtgaag gttgatgagc ttctactcta 150  
ctcagttcct gagggctaat cgaagtatgt ggaggaggca aggagccagc 200  
ttgaagaaag catctcacag ctccgacact attgcgagcc atacacaacc 250  
tggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttggt 300  
tcaatggggg ttagacagct atgactatct ccaaaatgca cctcctggat 350

tttttccgag acttggtggt attggttttg ctggccttat tggactcctt 400  
 ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450  
 gggattagct gctcctctct attatccaca acaagccatc gtgtttgccc 500  
 aggtcagtgg ggagagatta tatgactggg g 531

<210> 336  
 <211> 446  
 <212> DNA  
 <213> Homo Sapien

<400> 336  
 gggcgcnag ggggacggc gcttaaacgg ctgctcgtgc cgattctttt 50  
 acctgagaaa tgctacgacc aacttttcgt tcagtgggac ttgcttcacg 100  
 tccctgctct caagattctc ctacgaaaag gcttggggct gggcattgtg 150  
 gctggcctac ttctagtaaa gctgccccag gtgttttaaaa tcttgggagc 200  
 aaagagtgct gaagggttga gtctccagtc tgtaatgctg gagctagtgg 250  
 cattgacggg gaccatggtc tacagcatca ctaacaactt cccattcagc 300  
 tcttggggtg aagccttatt cctgatgctc cagacgatca ccatctgctt 350  
 cctggctatg cactacagag gacagactgt gaaagggtgc gctttcctcg 400  
 ctgtctacgg cctggtcctg ctggtgcttc tctcactct gacgcc 446

<210> 337  
 <211> 439  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 15, 67  
 <223> unknown base

<400> 337  
 cggaaagggt gggcgcnacgc gtgggcaaga tgcctctgtg gactcccaa 50  
 ctctactcca gatgggnagg tgcccttaac accaagattt taaaagctcc 100  
 aatttcagag caagagtcga aaactcacag ataaagtatt agttatttca 150  
 ggggtctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200  
 caactctggc tcttttctct gtgtttgttt tcttgggaaa ctccagctgc 250  
 gctccgcaga gactgttggg gagaaggaac tggactcctc aagctatgct 300  
 ctacctgaaa ggggcacagg gtgcgcgctt catctccgac cagagccgga 350  
 gaaaggacct ctccgaccgg ccactgccgg aaagacgaag cccaaatccc 400  
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450  
 gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 439

<210> 338

<211> 452  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 3  
<223> unknown base

<400> 338  
ccatgcacaa gcagcacttt cttttgccat agcaacatgt gcatcaataa 50  
ttcttttagtc tgtaatgggtg tccaaaattg tgcataccct tgggatgaaa 100  
atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150  
actcatggaa caattattgg cattacttca gggattgtct tggtccttct 200  
cattatttct attttagtac aagtgaacaa gcttcgaaaa aaggtcattg 250  
cttcgaaaaa cgcttttaac aaaaccgggt tccaagaagt gtttgatcct 300  
ccttattatg aactgttttc actaagggaac aaagagattt ctgcagacct 350  
gggagacttg tgggaagaat tggacaacta ccagaagatg cggcgctcct 400  
ccatcgcttc ccgctgcata cagcaccacc actgtgggtc gcaggcctcc 450  
ag 452

<210> 339  
<211> 354  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 27  
<223> unknown base

<400> 338  
aaataaagaa ccattggtatc atgttgntca gtgcttcaga cagaaagatt 50  
gttgaagcat caaggagagt ttttgttatg tggcaatgaa ctacgaagag 100  
gaaatgggca agaaaccgga ttgtctagag aaagtttacc aactacctga 150  
tgggaaggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200  
cctctctccc gtgtcatatg aaccttgagg cccctggcat tgataagata 250  
tgcctcagca gcataatgaa atgtgatata ggcttgagga attccttctt 300  
ctccaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350  
agct 354

<210> 340  
<211> 547  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure

<222> 20, 77, 101, 142, 151  
<223> unknown base

<400> 340  
tggcggctcct aaaatcctgn cctgaccagg gtccgggggt tcagttggag 50  
gaaaagtgtg gccctgcagg tggcaantgg tccaggtaac ggtatttggc 100  
nggcgcgttt ttgcctcctc ctccgtgggt ggggggggaa tnttggcgg 150  
nccgccttgg gacggcccag gtcccggccg caaggtccgg gccaatatat 200  
agtcataagt agaaacttct tgaagttggt caagaaaaat ttgaaagtag 250  
caaaatagaa aataaagaat taacagcaga tacagaggca gcataaagtg 300  
ttgtcttagg aaacagaaca cagcagtgaa aaaacagaca aaatccgctc 350  
agatacaact gcagctgata atgttttccg gcttcaatgt ctttagagtt 400  
gggactctctt ttgtcataat gtgcattttt tacatgccaa cagtaaacctc 450  
tttaccagaa ctgagtcctc agaaataatt tagtacattg caaccaggaa 500  
aaqctctttt agcttatttt tgtcaagctg attccccaaag aaatata 547

<210> 341  
<211> 374  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 34, 42  
<223> unknown base

<400> 341  
ccgaatcaag ttcgagtcac ccgtgtgggc attngtcccc cntggcacag 50  
ttgctctctt tccagaagcc cgttttgttt gttttaagtc taaattccgc 100  
ttggtttctta ttctctcccc tggcaaggtc tgaagacggg taggagaata 150  
aacgtgtgtc gccgtgttat atgccgtccc gtaccaacct ggctactgga 200  
atccccagta gtaaagtga atattcaagg ctctccagca cagacgatgg 250  
ctatatggac ctccagttta agaaaacccc tctaagatc ccttataagg 300  
ccatcgcact tgcactgtg ctgtttttga ttggcgccct tctcattatt 350  
ataagctccc tctgctgtc aggc 374

<210> 342  
<211> 515  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 35  
<223> unknown base

<400> 342

agttccggca aggggtgcac cggcntgtgt gtggcgcaag gcaaggaaac 50  
 cggtaaccgg gtcctggccc cagcgtgac gtttctctc cctttcttc 100  
 tctcttcggg ggttgogggg tgcagacgc tagtgtgagc ccccatggca 150  
 gatacgaccc cgaacggccc ccaagggggc ggcgtgtgc aattcatgat 200  
 gacaaataaa ctggacaagg caatgtggct ttctcgttg ttcacagttt 250  
 actgctctgc tctgtttgt ctgcctcttc ttgggttgca tgaagcagca 300  
 agcctttacc aacgtgcttt gctggcaaat gctcttacc gtgctctgag 350  
 gctgcacaa agattaccac atttcagtt aagcagagca ttctgtccc 400  
 aggttttgtt agaggacagc tgcactacc tgtgtatct actcatcttt 450  
 gtaaatccct atccagttac aatgagtac ttcccagttc tgttattctc 500  
 tttgttcat gctgc 515

<110> 343

<111> 509

<112> DNA

<113> Homo Sapien

<120>

<121> unsure

<122> 17, 46, 63, 68, 117, 139, 145, 164, 173, 179, 181, 246

<123> unknown base

<400> 343

cctgacccag ggtccggngg caattttcca tttatgcct gtggtncggg 50  
 acatacctag atntcagnc atttctcca ggttttgccc ttgttttaag 100  
 cccctgggct gggattncaa gtggcttgat caacccctt ttggnccagt 150  
 actacccctta gggncctga cctgactnt ntgcagcatt ttcataccta 200  
 tgggttggg cgtcttcatt cgtacaaat acagccgggg gctgantaca 250  
 tgggaagggt ttccctgtgg tctctgctag tgactctggt ggtccttttc 300  
 ataagacccg gcaactatgtt aggacctgaa ctgctggcaa gtatccctgc 350  
 agctgttat gtgatagcaa tttttatgcc tttggcagc tacgcttcag 400  
 gttatgctt agctactctc ttccatcttc caccdaactg caagaggact 450  
 gtatgtctgg aaacaggtag tcagaatgtg cagctctgta cagccattct 500  
 aaaacttgc 509

<110> 344

<111> 375

<112> DNA

<113> Homo Sapien

<400> 344

cctaaatagg gccctggata tattcaacac ttccattgtg actccaatat 50  
 attatgtatt ctttacaaca tcagtttttaa cttgttcagc tattcttttt 100

aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150  
 cttctttaca atcattgtgg ggatattctt gtgcacgcc tttaaagacg 200  
 tcaggttttag tctagcaagt ctgctgtgt cttttcgaaa agacgagaaa 250  
 gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300  
 agaaagctta acctgtggaa tcgaacaaca cactgg 336

<L10> 345  
 <L11> 380  
 <L12> DNA  
 <L13> Homo Sapien

<400> 345  
 ttaagtgcac accatgcagt gcccgaggat gataccatta gcaatgactc 50  
 caatgatttc accgaagtag aaaatgggtc gataaatagc aagtttattt 100  
 ctgacgtgta aagtagaaga agtctcacia acagccattt ggaaaaaag 150  
 aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200  
 taacctaaag aacgccatta tgggcagtgg gatcttgagg ctgcctttg 250  
 cccggcaaaa cactggaatc ctacttttct tggacttttt gacttcagtg 300  
 acattgtgtt ctatatatto aataaacctc ctattgatct gttcaaaaaga 350  
 aacagggtgc atggtgtatg aaaagctggg 380

<L10> 346  
 <L11> 364  
 <L12> DNA  
 <L13> Homo Sapien

<400> 346  
 ccagcattca gagttactgg ctgtcatttt tcatgggtgat gattttattt 50  
 ctacgtttca taacctgttg ggaagaagtt actacttttg tacaggctat 100  
 caggataact tcctatatga atgaaactat cttatatttt cttttttcat 150  
 cccctctcag ttatactgtg agatctaaaa aaatattctt atccaagctc 200  
 attgtctgtt ttctcagtao ctggttacca tttgtactac ttcaggtaat 250  
 cattgtttta cttaaagttc agattccagc atatattgag atgaatatte 300  
 cctagttata ctttgtaaat agttttctca ttgctacagt gtattggttt 350  
 aattgtcaca agct 364

<L10> 347  
 <L11> 752  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure  
 <L22> 40, 47, 73, 87, 235, 256  
 <L23> unknown base



<400> 347

anaatgttgg gtaaaataat tggggggggac ttttgggcn ttcaggntta 50  
atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggggtt 100  
tataatcttt ttcttgggtg gcttagatit ttctccagaa aagttaagaa 150  
aggtgtgaag atttctttac aaggccctgt ttacatgcca ctgttaatga 200  
ttgcatttgg ctgtgtgtgg gggcattttct tgcgnatcaa acccaccgag 250  
aggggtnttca ttctcaaggt gtctgtcttt tgtaagcac acccctctgt 300  
ttcagggttc tcatgggcag tgcctgggggt gacaaagaag ggcacattga 350  
ctacagcacc gtgtctctct gcatgtctgt gacgcaggac gtgcagctcg 400  
ggctcttcat ggccgtcatg ccgaacttca tacaggcggg cgcagtgca 450  
tcttctagca ttgtctggga agttctcga atcttgggtt tgattggta 500  
gattcttttt tcaatagcgg cggttttttt tttatgtctt gttataaaga 550  
agtatctcat tggacctat tatcggaagc tgacatgga aagcaagggg 600  
aacaagaaa tctgtatctt gggaatatct gcttttatct tctaatgtt 650  
aacggtaacg gagctgtgtg acgtctccat ggagctgggc tgtttctgtg 700  
ctggagcgt cgttctctct caggggcccg tggtaaccga ggagatcgcc 750  
ac 752

<210> 348

<211> 342

<212> DNA

<213> Homo Sapien

<400> 348

aaaaaaaaaa aaaaaaaaaa agaaccactt ctgccttacc attctctctt 50  
tattacagaa atggggagac agaaagtcaa cagagaaaga attgttttcc 100  
ccaaggccac acagattgct ccaacacttg acttttctct ctaggaactc 150  
aatccaagag atgggctttc ttttgttctc tgactataaa aggggtgtac 200  
cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250  
tgttctttca tcattattat ttggaaagtt atatttctt tactgtctt 300  
gaggtgtgag gcttcacctc atcttgtctc catatccctg ag 342

<210> 349

<211> 608

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 46, 101, 110, 132, 271

<223> unknown base

<400> 349  
 tggatcccat ggccaggng gcgtccaggt gcaaaccagt agaacncaag 50  
 ggcstgaacct ggggccagac accttggtttt ccccgcccat ggtcaagacc 100  
 nccagtaach tgccttactg tgggcccaga antgggccaa gtcttggcag 150  
 cccgtgcgcg aggttggttg gcagtttggg gtgttcttct gaaccatctt 200  
 ccttttgctc tgggtgtctg tcttctctta tggctcttct tactattctt 250  
 atatgcggac agtcagccac ntcagccctg gcattttctac tacaggaccc 300  
 actgtgattc cccaccacc tcaactctgt ccttccctgt tgcgaatgtc 350  
 tccgtgacta aggggtggacg tgatcgggtg ctgatgtatg gacagccgta 400  
 tctgtttacc ttagagcttg agctgcacga gtccctctgt aatcaagatt 450  
 tgggcattgt cttggctacc atttctgtct acaccagagg tggccgaatt 500  
 atctccactt cttcggcttc ggtgatgtct cattaccgct cagaacctgt 550  
 ccagatgtct gacacactgg tcttctctag cctctctcta tttggctttt 600  
 cagagcag 608

<210> 350  
 <211> 590  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 33, 95, 87, 117, 189  
 <223> unknown base

<400> 350  
 aaatttgaaa cccataagtt accaagtcta tatcaggngc agtggctttt 50  
 attaaagccc atttttaaaa cttaaaaact caacnctcc cagattataa 100  
 tagaaaaaga aatggontca gtttgatctc gttcagaatg cccagatttg 150  
 tcttgctttg gggcagctgt ttagttcaga gttatattnc agagaattat 200  
 tttctgagat aatcttaaac tagaatgttc aaaactaatt gataattgaa 250  
 gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300  
 aaactttgaa tcttggtatc tttatttggg attcatacta ctagtagcaa 350  
 aatacaggtt ttttgttttg ttttgttttg ttttggcttc atagagtatc 400  
 tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450  
 tcaaatggc acctactgaa ttaaaataca taaaatcatt taaatataat 500  
 ccagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550  
 cagtctattt tcttttaatt tgttactact tagtcacaaa 590

<210> 351  
 <211> 517

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 20, 65, 78  
<223> unknown base

<400> 351  
nagaaggga atgaaatccn cagcggacct ggcacaaaa actttgggca 50  
aagaaattga attgnaagca ataaaaacng ctttatcaag tccataaatgt 100  
anagagaag aagagaaaaat cacttgaaa tgaagttgaa aagacagcaa 150  
atcttgctcat tagcaactgg aatcagcгаа ttaaggccaa gaagaaatta 200  
atgcttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250  
caaccaatct atgactgaga aggagaaagc gaagctcttc aataaaactga 300  
caaatcaac tgaaaagttg gaaaagggaag atgaaaatta ctacaaaaaa 350  
aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400  
ctgtatccag agcattcttg agctggagaa ggaaagaatt caacttttat 450  
gtaataactt aaacagtac agccaacata tttctctttt tggccaaacc 500  
ctgaccacat gccacac 517

<210> 352  
<211> 559  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 59, 104, 126  
<223> unknown base

<400> 352  
tttaaaagaaa tgggtaaata ctgagccttt ntgcaacett ttttgggaagc 50  
accagccccc agaagattct gtgacttggt tgcttttagg tgcacctca 100  
gaentctggc tcagtacacc tcgggntgat tgagactggt gctcagttct 150  
ctcatttggg ttgacattat tcattttaat gaatgaatac atttgctgca 200  
gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcag 250  
aagtttccat atttaccaga acctcttagc tttgatgagc ataataactg 300  
ctaaaaaat gtgtcttctg agcagctggg taccagtgcg tgtggcctgt 350  
agcattagtt actgcttgag ggatggtagc tgttaccgca gaatggtggg 400  
cttcgttgac ttgtcttctc tctctcctt cttaccact tcccggagaa 450  
acaggacagc aggcacagcc agtaacaagc tgtggtagc ctccctggcc 500  
ctgggtgagc tcactatgta ttccattgca actggaggct tggttttgat 550

ggcagtggt 559

<210> 353

<211> 609

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 48, 163

<223> unknown base

<400> 353

gtgggccaat gctgtccaaa ctacaggggg ttaatgtaaa gcttgtgnta 50  
actatagaaa agtatattaga aagagcttgg catgtagtaa ccaactcaata 100  
aaaqtttagct actattatga agtgttttcc aatgggttat ttagaagcaa 150  
antagtatca gntagaagt ccaggcttgt tttctccca aacatgtttt 200  
cacaagtgct tccatgggtc ccttctcctt ttctttctcc tcttctctta 250  
aaaacatatt ttgtgtgtgc tgccttggtc tctttcaactg ggccagagaa 300  
agatctcctg aggggttggac aaggggagca gctgagttgg tgagaaaagg 350  
agtcacagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400  
gtgccaatca aagtgaagca gtggggcttg ccaggtgaga tgtaatttc 450  
agtagtcaca cgtgtccctg tctggactct ccttaggact cttgacctta 500  
ccctgcagtg gtttgaaatg gattttatta ggctttcatt acattctcat 550  
attatttttt tcaacttggtt tataagctac acgagagcca gtgtagtgct 600  
ttgtccctg 609

<210> 354

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 27, 68, 74, 137

<223> unknown base

<400> 354

ccggtaaccc attgggcctg gcntaanaaa gtttttttaa gccattagac 50  
gttttttaag gaattggnag atgncaattg gggaaatatt taaaatttaa 100  
gtaaaatata aagcttcctt atttcatgta acccagncaa tctcagtata 150  
catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200  
tactttttaa gaactagaaa ggaaaagtca ctgatcttaa gtatttataa 250  
tacttcatgt ggtctaatac tttttacgtt ttgttttgat tcagatttag 300  
tcgggattcc cggtatctgg cagtaggttc tagtgagaac tcagtggatt 350

tttatgacct aacgctgggc cccactctta acagaatcag ctactgcaaa 400  
 gacattccaa gctttgtcat tcaaattggac ttctctgcag atagcagtta 450  
 tctccaggta cagtaccaat actgtatacc cagggtggcaa gttctctctgc 500  
 ttttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550  
 tccagcttct caactcctcc ctttgtacct tctgacctac agctcctctt 600  
 tcc 603

<110> 355  
 <111> 683  
 <112> DNA  
 <113> Homo Sapien  
 <120>  
 <121> unsure  
 <122> 78, 101, 115, 122, 135, 161, 192, 204, 252  
 <123> unknown base

<400> 355  
 tcatgggggt atactttggc aagtgggtat cttttaacgg gtttcatttt 50  
 cccagtgttt aaatttacag ttggttaant aaaagttttt cccagtacga 100  
 nccaggggta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150  
 ttaagtgagg natggctatt tacagattgg cctacaactgt tntgggtggga 200  
 gcnctcagtg accaaggagc agaggtactt gaaaccacc cttgaagcca 250  
 tntggatgct ccgttcattc aaatctgggg tgttctaacc caaagtaact 300  
 ggcacagac tgcaatgtaa gatacaaac ttcaggacct agtgtgtgca 350  
 catgtttggt cttatataag atggcatcct tagtacttgt tctatgtaga 400  
 aaagaatttg tgggtccaca agtccctaca gagtccaca ctctcatggc 450  
 caataagtat acagggatcc ccggaattag acaaacacag atgagacatt 500  
 tattctgta tatgaattta ttttatttat ttatttattt tttgggacag 550  
 ggtctctctc tctgcccctc cctggagtgc ggtggcctgg ctcatcgcaa 600  
 gctccgctcc ccgggtttac accattctgc ctc 633

<110> 356  
 <111> 569  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 41, 64, 83, 86, 115  
 <123> unknown base

<400> 356  
 ttaattagat aatttaaagt agcgtttttt tctacaatgt ntgaagaagt 50  
 gacctacggc acantcacat ttcaggattc tgntgnagca aggaataccc 100

gagatggaaa taacntaaga aaaagagggc atccagctcc atctcccatt 150  
 tggggtcatg ctgctctggg tctggtaact ctttgcctga tgttgcctgat 200  
 tgggctgggtg acgttgggga tgatgttttt gcagatatct aatgacatta 250  
 atcagatctc agagaaattg agtcaacttc agaaaaatcat ccaacagcag 300  
 caggataact tatcccagca actggggcaac tccaactaact tgtccatgga 350  
 gpaggaatct ctcaagtcac agatctccag tctactgaag aggcaggaac 400  
 caatggccat caaactgtgc caagagctaa tcattcatat ttcagaccac 450  
 agatgtaact catgtctctaa gatgtggcaa tggtaacaaa atagttgcta 500  
 ctatttttaca acaaatgagg agaaaacctg ggctaactgt agaaaggact 550  
 acatagacaa gaactccac 569

<210> 357  
 <211> 565  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 7, 19, 117, 197  
 <223> unknown base

<400> 357  
 aaaaaanagt gcccgctcng ttgttgtaag tgaagggacg gcagtcagtt 50  
 gacctgcag tgtgcaggcg agcgcagga gtacgccatg tcttgagaag 100  
 agcagattct caggctnagg cagttacagc ttctctccac cctgccgagc 150  
 aacnaggcca cggggctccg tgcacgccca cctagagtgt taccctnttc 200  
 ctgtttcaag gaggtctctc gcagtggtgt agaaagagga cctctctcag 250  
 ctcaatggat aaagaaaatg caggacatat ggggggagga gccaagatgg 300  
 ccaaatagga acagctccgg tctacagctc ccagtggtgag cgacacagaa 350  
 gacaggcaag aagaataaat gtctctgggt gaacttttgc tctggtgga 400  
 ctgtttttct agaactggtg ttgcagcctc cctggaagtg tcagagagcc 450  
 ctggaggtat ccaggtgccc cggggtcaga cagcagtcct gcctgcact 500  
 ctcactacca gcgtgcctt cattaacctc aatgtcattt ggatggctac 550  
 tctctctctc aatgc 565

<410> 358  
 <411> 575  
 <412> DNA  
 <413> Homo Sapien

<420>  
 <421> unsure  
 <422> 138, 536  
 <423> unknown base

<400> 358

ggttccttaa agattgaagc tttttaagac tcagcttttg acacatttac 50  
taattatact taattgttcc ttgggtgattt caccocogtg ggtttgtttc 100  
ccttgaactc cacactcatt acgttcagag cctttttnta cactacttga 150  
attattttta tttaggtata taaaatactg gtgggaatag cataaattct 200  
aagtgtttaa cttgatgaag taatattgta cacctatgta agcactgccc 250  
agactgatat acatttacag cctaaggagg cttctttgtg ctgctttgct 300  
attaatatcc cattgcccag aaatagcccc tctcctaatt tcataacca 350  
gagataagct tacatgtttt tccgcttcat gtaaatggaa tcgtacgctg 400  
aacctctttt tgggtctggg ttcttttgcg caacattatt tcatgcaaca 450  
ataaggatgg ctctctcaga cataatatcc atttttattt atgtagtgtt 500  
ttatgggaat tgcactgagt tagagaaact gaagtntgaa ggaatagttt 550  
ccacaagact gccttcattt cagac 575

<110> 359

<111> 553

<112> DNA

<113> Homo Sapien

<120>

<121> unsure

<122> 60, 83, 87, 98, 104, 106, 170

<123> unknown base

<400> 359

agtgccgtcc cgggtgttga agtgaaggac ggcagtcagt tgccttgacg 50  
tgtgcaggcn agcgcaggag taccgccatg tcntaanaag ggcgattntc 100  
aggntntggc agtacagttt ctctcaccg tgcgagcaaa ccaggccacg 150  
gggtccgtg catcgccacn tagagtgtta cctcttccct tgttcacgga 200  
ggttctccgc agtgtgtgag aaagaggccc tctctcagat gaatggataa 250  
aga-aatgca ggacatatgg ggggaggagc caagatggcc gaataggaac 300  
agctccgggc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350  
gaaraaatgt ctctgggtgga acttttgcct tgggtggaact gcttttctag 400  
aactggtgtt gcagcatccc tggaagtgtc agagagccct gggagtatcc 450  
agggtggccc gggtcagaca gcagtcctgc cctgcacttt cactaccagc 500  
cctccctca ttaacctcaa tgtcatttgg atggtcactc ctctctccaa 550

\*gc 553

<110> 360

<111> 502

<112> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 57, 63, 68, 78, 84, 88, 138, 350

<223> unknown base

<400> 360

caaaatgtta agaacgtcca ctctaatact gtgggtggtn tgcattgccg 50  
ggccccntgg ttntcttntg gcattttntg cttntgentc atattcttgt 100  
taagccaggt gggcttgttg caggacaccc ccagtgentg gattacgggc 150  
cccccttcca gcccccttgg cactttgagt tttgetctga ctatgagtc 200  
tttggctgct gtgacagca caaggaccgc cgcacgctg ccgggtactg 250  
ggacatcatg gaatattttg atctgaagag acatgagctg tgtggagatt 300  
acattaaaga catccttttg caggagtgtc cgcctacgc agccacctn 350  
taagagccg aaaacacca gagcctctc cggaatctc cgggctctg 400  
cttgattac tgcctgctc tccattctaa ctgtcaactc gccatttccc 450  
tgttgaccaa tgacccgggc ctccaggagt ctcatggaag ggacggtacc 500  
ng 500

<410> 361

<411> 459

<412> DNA

<413> Homo Sapien

<400> 361

ccccccgctc cggcttgaag actgacaaga tgcctctgtg gactcccaaa 50  
ctctactcca gatggggagg tgcccttaac accaagattt taaaagctcc 100  
aatttcagag caagagtcca aaactcacag ataaagtat agttatttca 150  
gggttcagaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200  
cactctgggc tcttttctg gtgtttgtt tcttgggaaa ctccagctgc 250  
gcttcagaga gactgttga gagaaggaa tggactctc aagctatgct 300  
ctacttgaaa ggggcacagg gtcccgctt catctccgac cagagccgga 350  
gaagggacct ctccgaccgg ccactgccgg aaagacgaag cccaaatccc 400  
caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450  
gaactcacc 459

<410> 362

<411> 442

<412> DNA

<413> Homo Sapien

<220>

<221> unsure

<222> 23, 53, 59, 70, 357



<223> unknown base

<400> 362

aatcaccggg gtcgctgttc ctnaggtggg caaggtggac agggggcggg 50  
gtnatgggnc agtttgacan tgaataccag cgcttagagg cctcctatag 100  
tgattcacc ccaggggagg aggaacctgtt ggtgcaagtc gccgagggga 150  
gcaagtcacc ttggcaccat attgaaaacc ttgacctctt cttctctcga 200  
gtttataatc tgcaccagaa gaatggcttc acatgtatgc tcacggggga 250  
gatctttgag ctcatgcagt tctctttgt ggttgcttc actaccttc 300  
tggtcagctg cgtggactat gacatctat ttgccaacaa gatgggtgaac 350  
cacagtnttc acctactga acccgtaag gtcactctgc cagacgctt 400  
tttgctgtct caagtctgta gtgcccaggat tcaggaaaat gg 442

<210> 363

<211> 511

<212> DNA

<213> Homo Sapien

<400> 363

gtcgaacct gagcaaacac agcagccga gtgttcccaa ggccaaaatg 50  
ctgagaacgt ccaactctaa tctgtgtgtt ggtctgcatt gccggggccc 100  
ctggctctct tctggcattc tctgctctg cctcatatc ttgttaggac 150  
agggtgggctt gctgcaggga cccccccagt gcttgatta cgggccccct 200  
ttccagcccc ctctgcacct tgagttttgc tctgactatg agtccttcgg 250  
ctgtgtgat cagcacaagg accgcccgt cgtgcccgg tactgggaca 300  
tcatggaata tttgatctg aagagacatg agctgtgtgg agattacatt 350  
aaa-jacatcc tttgcagga gtgtctgccc tacgcagccc acctctacga 400  
cgctgaaaac acccagacgc ctctccggaa tctccgggc ctctgctctg 450  
attactgtct tgccttccat tctaactgtc actcagccat ttccctgctg 500  
acaaatgacc g 511

<210> 364

<211> 407

<212> DNA

<213> Homo Sapien

<400> 364

cccacgggtc cgtgaacaca caaagagctt attttgtag gcaaatacac 50  
attaataaga atgcctagaa gaggactgat tcttcacacc cggacccact 100  
ggctgctgtt ggjcccttgc ttgctctgca gtttggtatt atttatgtac 150  
ctcctggaat gtjcccccca gactgatgga aatgcctctc ttcttggtgt 200  
tggtggggaa aattatggta aagagtatta tcaagccctc ctacaggaac 250

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300  
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350  
 agaaagaagg aatgtagggg ctaatggcat aggtatcag agcaacaaag 400  
 agcaaggc 407

<210> 365  
 <211> 582  
 <212> DNA  
 <213> Homo Sapien

<214>  
 <215> unsure  
 <216> 4, 85, 93, 103, 129  
 <217> unknown base

<400> 345  
 tgggttgaggc ctccaagatt agaatgttac tagggccaaa ancagtggga 50  
 ttggtt-aaag aggcgaatgat acccccatga gagccttcac atncagaacc 100  
 agncagaaact tcaaagggtt tgatgatanc aatgatgatt tcttgacaat 150  
 agcagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200  
 tggatgaaaa aatgatccct ggttacccctc aggcaaaagtt gtatccagga 250  
 aaatcattgt tgagaagatt gctcacgtct ggcacgtga ttcagggtgtt 300  
 tctactgcat gacagtgaag ccttgaagaa gcttgaggac acctggtaca 350  
 ctgpgtctgc tttgaagtat cagcccatag agaatcacag attggaatct 400  
 ggcatacaga accatctaata tctgaaagtt ttagtggttca acttctctaa 450  
 ttggtttggc tcactcttct atattgcctt tgtcttgaaa gatatgaagc 500  
 ttctgggcca gagcttggcc actctcttaa ttacctcca gatcctcaac 550  
 ag 551

<210> 365  
 <211> 244  
 <212> DNA  
 <213> Homo Sapien

<214>  
 <215> unsure  
 <216> 74, 199  
 <217> unknown base

<400> 366  
 atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50  
 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100  
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150  
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200  
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

<110> 367  
<111> 448  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 100, 148, 251, 352  
<123> unknown base

<400> 367  
ggctactact gctcaacatg ggaaaagaca ttccgggcag atcggtttt 50  
gaaagcttaa agggagcttg atgctggcaa tgggatcaga gtgtttgaen 100  
tgacatgggg atgttcattg ctagtctgac catctggctc ctctgtanaa 150  
acatgtgtca gaaacctgtg acagacgaag cagcacagag taaccgggag 200  
tttgaaaatg aagaattggc tgaaggagaa aaaattgatt cagaagaggg 250  
ctctgatctat gaagaggatt tcaatggagg agatggtgtt gaaggcgagt 300  
tggagaaag cagcaagtta aaaatgttcc gcaggcttgc ctctgtggcc 350  
tntaagctca aggagttcat tggcaacatg atcaccactg ctgggaaaagt 400  
tgthgttacc atcttactgg gctcctcggg catgatgttg ccgtcttg 448

<110> 368  
<111> 636  
<112> DNA  
<113> Homo Sapien

<120>  
<121> unsure  
<122> 40, 57, 81, 133, 156, 158  
<123> unknown base

<400> 368  
ttaagcggga aaatccccct gaaccacaga gcggaaggtn cagtcaccca 50  
aaatggngcc cattgcattc cagcctcggg ccggagcaag actttgttta 100  
aaaaaaaat ttaaattagc cattaccctt agntaatttt taaatttttt 150  
gtgaananag ggcctcactg tcttgcccag gctgggtctg aactccaggc 200  
ttcaggtgat ccttctgect tgccctccaa agggcgggat tacaggtgtg 250  
agccactgtg cccaactcat tactttttta aaaaattact ttccatttct 300  
agtttatata tgacaggtac ttactttaag tagtaaatat tatgtttaac 350  
aataaataaa aatgatcagg atttcccccg acatgctttc cttctctctc 400  
ttctctctcc tttctctctc attttatccc ttctcctgcc ctttttggaa 450  
gtccttattg gaggaaaaaa taacttgccc tatttgtttc ctactaatt 500  
gttataagtc tgggtatca aggcaagcag attcaaattg ctgtaatata 550  
tacagtgcga ttagattaga gtctactaag aatttaattg gagaatgttc 600

aaaatacttt tctaaagtta attttttttag tattca 636

<210> 369

<211> 458

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 38, 57, 73, 118

<223> unknown base

<400> 369

tagaaggtcc gtcattggacc ccagatccat ttctagnaa ggccgtcatg 50  
acacccmnga tccatttccct agnagggccg tcatgacacc ccggatccct 100  
ttccctcag aggggctngt catgactcag acacatctcc tcccagagga 150  
tccgtcatga ctctcagac acttcacccc caaggagggc ccgtcatgat 200  
tctccagatc cttctccccc aaggaggcct cagcataatt cttcaggtgc 250  
atctcctagg agagtccgtc atgattcacc agatccctct cctcctaggc 300  
gagcccggtc tggttccctc gatctctctt ccccagaag ggtccataac 350  
aacctccttg acacatctag gaggactctt ggctcttcag acacacagca 400  
actcagaagg gcccggtcatg actccctga ttgggtcct aatgtcactt 450  
attccttg 458

<210> 370

<211> 538

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 5, 20, 47, 88

<223> unknown base

<400> 370

cggangcgtg gccgaacgc ttgtccaacc atatgccagg ttcaacnccg 50  
ataaaaagta ggaaacgtaa ccagcttcat tttttgnca gcagacttaa 100  
agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150  
ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200  
gaatatttag ttattattgg agcttctgaa tttttgcta tatatttaga 250  
aaatcagttt atattaacac ccactgtggc aactacactt gcaggacttg 300  
ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattggt 350  
tcacatttag aaatgtcttg taaagccctt atgagattta taatggttac 400  
atctgtgata tcaattatac tgcttgtgtt tattattttt gtacgtgtga 450  
atccagtgca atttgcctggg atcaatgaag attatgatgg aacaggggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371

<211> 692

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476

<223> unknown base

<400> 371

aataaaaaat ggcttaaaaag aacattttccg aacaaaaagg aaccgggttcc 50  
ngccttaaca aagtgggaca ttggccntca aaggggncct catgggaaca 100  
tcntgttttg cggggggcang cacaatgggc aaggggttcc ctaaccgttt 150  
gcanaagnag ttaancagca tgtgtcccaa tgncccccgc aggtaaaagt 200  
gctgcctgaa anagccagtc cgtgtggacc ggggtccat cctggcctca 250  
ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300  
gggcctttct tccctacag aaggtgttnt gaaaggcgac aactttggcg 350  
tcgtgagatt cttgtgaggc gtctgcctgg aagccggcag caatttttgc 400  
ttctttaaag agaaaaagaa ggctagggac tcagattcct ggattctgag 450  
atccagacca gctcctccca gacctntcca gaagaagcca tgggaacccc 500  
tcgtatccag catttgctga tccctctggt cctaggagcc tccctcctga 550  
cctcgggcct agagctgtat tgtcaaaaagg gctctgcat gactgtggaa 600  
gcagatccag ccaatatgtt taactggacc acagaggaag tggagacttg 650  
tgacaaaagg gcaactttgcc aggaaaccat actaataatt aa 692

<210> 372

<211> 399

<212> DNA

<213> Homo Sapien

<400> 372

gtgcgcataa agaggaggcg cttgccttca gcttgtggga aatcccgaa 50  
atggccaaaag caactcaact gttcgttgc tccagggcct gctgattttt 100  
ggaaatgtga ttattgggtg ttggggcatt gccctgactg cggagtgcac 150  
cttcttttga tctgaccaac acagcctcta cccactgctt gaagccaccg 200  
acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcac 250  
tgcctttctt gcctgtctgt tctaggcatt gtaggcacac tgaagtccag 300  
caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgct 350  
ttgaagtggc atcttgcac acagcagcaa cacaacgaga ctttttcac 399

<210> 373  
<211> 567  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 19, 53, 78, 122, 286, 419, 449  
<223> unknown base

<400> 373  
tttaaggatg ttgccatgna ccacgttttt tcaaatattgc ttttcatttg 50  
cgnccgtttt ggagtcctttg accgctanga tggttttcgt cgtctgggaa 100  
tttgcacaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150  
gagtgatgat gaaatatttg tagccgccaa attgggaaac atacctgcac 200  
ggccttgccc aaatactttg aggtccacct ggcacattaa ttggaacaag 250  
tgaagcagtc acttcagagg actgaggggtg gcattnttgt ccacccacaa 300  
cccccgtaca aggcacgtct atatactcat gaacagattg tggaaatgat 350  
ggactttttg atagaatatg gccacagcca gctatatagg gaaccagctg 400  
aagtttacct caaactttnt tgtgtgcaac tcttggttgc gcttatttnt 450  
attccctgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500  
tgccttggat gtcctggcta ttcttactgt ggtgccaaaa atccagctcc 550  
agttggcaga atcagtg 567

<210> 374  
<211> 199  
<212> DNA  
<213> Homo Sapien

<400> 374  
aaatttttta aaaaaactcc ttaataggcc cttttttttt ttaacctgaa 50  
agttagctac ctacctttca ggaaatatat attttttggg tttagctagg 100  
ttgactttct tctagaaatg gaaaagatgg caccctcggt accaaagtgc 150  
tgggaactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgcctt 200  
tttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250  
tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375  
<211> 556  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 32, 53, 55, 66, 111, 156, 188, 295, 517, 552  
<223> unknown base

<400> 375

tttttttggg aggaggaatg tncattcagg gagtagcttt ttgggaaaaa 50  
 ttntntaggg ctacacacag tcatgggtga cttttctttct gctgtgaaaa 100  
 ctcccagagt ntcttttaggg attttcccta aggtgaccac caggcacacc 150  
 tcagnttttt tgaccagag cctgaaaact gttttcactg gggtccacca 200  
 gtcccagcaa aatctctctt gtattttatt tgctaagtta ttgggggttt 250  
 gcttacatct catgattgat ataatacaca agttctatag ccttntcttg 300  
 cagtatttgg atttgcttga aaccgggaaa actgttccca ttaggcttgt 350  
 taatgtcaga gtgacctat tatgaatctt tctctccctt tctctggcct 400  
 gtttctcttc tcttctctct tcaaaccttg tctgcagcta aggaagggtga 450  
 gtctacttcc cctgaggctt tggggtcaga gtatatgttg ttgggagaaa 500  
 gagggcaatc aggaatnttc tgggaccacg atgagttctt cactagccct 550  
 tntgaa 556

<210> 376  
 <211> 499  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 22, 38, 68, 191, 193, 196  
 <223> unknown base

<400> 376  
 aaatgttacc ctatctctgg anaagggttt gaatcccnct gatgtgtgtg 50  
 gattccatctt ggtgggtgca atgattctct cgtccatatt tattaacttc 100  
 atctaccttg caagagcaca aaaaaaccat gctaacttta actttggatg 150  
 tgcgaattaca ttctctcttg ttgcaggagc attttttcca nanagntcca 200  
 atcttggtta atccgaagcc aaagagagtg tttcttcagc atatgactag 250  
 aacattccat gacttggaag gaaatgcagt taaacgggac tctggaatat 300  
 ggatcaatgg gtttgattat actggaattc ctcacataac cctccacatt 350  
 cctgagatca atgatagtat ccgagctcac tgtgaggaga atgcacctct 400  
 ttgtgggttt ccttggtatc ttccagtcca ctttctgata aggaaaaact 450  
 agtatcttcc tgcccagaa gtttctccaa gaaatcctcc tcatttccg 499

<210> 377  
 <211> 612  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 61, 63, 173, 419, 475  
 <223> unknown base

<400> 377

tttgactggg tgtaagaata tgotgttcca gcagaccaag gatggcattg 50  
ggaaatctgc ntntggggta ggcacatctt catgggotat ttggaaagtg 100  
aganttgaaa ctacagagggc catcgatgat gaaggctggg taactctggg 150  
ggatttggggc caggtggagc gnttgggttt ccttatgttc aaggccaca 200  
tcaagaaaat ctttatcact gctgggtggg aaaatgtgac cccatttct 250  
gttgagacct tggtaagaa gaagatcccc atcattagta aagccatgtt 300  
agtaggagat aaatgaagt ttctgagcat gttgotgacg ctgaagtgtg 350  
agaigaatca gatgagcgga gaacctctgg acaagctgaa cttagaggcc 400  
atcaacttct gtctgggtnt gggtagccag gcacccacg tgaatgagat 450  
tgtgaagcag caagaccccc tggntacaa ggcacccag caagccatca 500  
atgctgtgaa ccagggaagc atgaacaatg cacagaggat tgaaaagtgg 550  
gtcattcttg agaaggactt ttccatctat ggtggagagc taggtccaat 600  
gatgaaactt aa 612

<210> 378

<211> 282

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 194

<223> unknown base

<400> 378

gtcaggaag aagacattat acaaaaacaaa tttagaaact gggatcatga 50  
gttgaaaaac aaaggcaaga agggctgccg tgttttttag acgttgcctt 100  
gaagacgcca gggtagcgc cagtggcaat gctttgttat cagaggacga 150  
aaatcctgat gccaatgggg taactcgatc atggaagatt attntaagta 200  
caatgcttac actgactttt cttctttag gactcctaaa tcatcagtgg 250  
cttcaagaaa cagatgttcc tcagaaatcc ag 282

<210> 379

<211> 680

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 24, 35, 71, 77, 173

<223> unknown base

<400> 379

agccaaaatc cttggccaaa tttingcattt ccaantccgg aggccaaaga 50



aggaagaaag ttccccaggt ngaaaaancaa acttggattt tcagcaatat 100  
 ggattttatta atcaaatgtg gttaccattt gggcccttcc gggggatttt 150  
 aagtactttt ccatacctag ctnttataca tactattatt ctcatggcag 200  
 tagcaacttt tggttcaaat atccccaaa atgctcaaaa gtagaacatt 250  
 ttgtttcaat attaggaag tgccttgaat ccccttggac gacaaaagcg 300  
 ttgtctgaga cagcatgcga agactcagag gaaaacaagc agagaataac 350  
 aggtgccag actctacca agcatgtttc taccagcagt gatgaaggga 400  
 gccccagtgc cagtacacca atgatcaata aaactggctt taaattttca 450  
 gctgagaagc ctgtgattga agttcccagc atgacaatcc tggataaaaa 500  
 ggatggagag caggccaaag cctgtttga gaaagtgagg aagttccgtg 550  
 cccatgtgga agatagtga ttgatctata aactctatgt ggtccaaaca 600  
 gttatcaaaa cagccaagtt ctttttatt ctctgtata cagcgaactt 650  
 tgtcaacgca atcagctttg aacacgtctg 680

<210> 380

<211> 660

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 55, 96, 146, 162

<223> unknown base

<400> 380

cggatccttt aaaatccctg acctngaccc aagggtccgg taaaatcaat 50  
 ttgtnttacc caaagaccaa tttttgacat atcttgaata ggatgncat 100  
 aaattatgac ttttaaattg ttgtaatttt tgtactatta tctganattt 150  
 ttatttttat gnattttcgt aagtagttta gagatagtca ctttttaaaa 200  
 atctaagatc aagcaaatga agcttatttt tatgtattca tagtataaaa 250  
 gccctcagta aataggtaat atttttggtt tattctagaa aacagctcct 300  
 tgaacacagt gagctggctt ttcacacatt gcagttgtta gtgtttactg 350  
 cccctgccat ttttaattatg aggctaaaga tgtttttgac accgcacatg 400  
 tgtgttatgg ctcccttgat atgctctcga cagctctttg gctggctttt 450  
 tgcagagtt cgttttgaga aggttatctt tggcatttta acagtgatgt 500  
 caatacaagg ttatgcaaac ctccgtaatc aatggagcat aataggagaa 550  
 ttttaataatt tgccctcagga agaactttta cagtggatca aatacagtac 600  
 cacatcagat gctgtctttg caggtgccat gccacaatg gcaagcatca 650  
 agctgtctac 660

<210> 381  
<211> 652  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 19, 35, 118, 136, 183, 281, 349  
<223> unknown base

<400> 381  
gaataaagtgtg ggattttttna gcaaggattc caatntgatt cttaaaaaag 50  
gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100  
aattttaagg gtttcagntt caggggaatgc taccncaaaa atgagatttc 150  
attactatat accagtgaat tttctactct canattttct gtaatgtcat 200  
ttttcatagt taggttttag aaagtatcta atcaggttgt gatgggtcaaa 250  
taaagggttc aaacacattt ctattttctg nttcaataaa tattttttat 300  
attggttatt cttatctatc ttacctaatt ttcttctat ctttttcgnt 350  
aacctttttt ttttttattt tcttctaatt aagattctgc tttcttcac 400  
taaacctgtc ccaaaaacct atgtacaaa acttggcaag ggtgatgtaa 450  
aggataagtt tgaagccatg cagagagcca gggaagaaaag aaatcaaagg 500  
agatctagag acgaaaaaca aagaagaaaa gaacaatata ttagagagag 550  
agaatggaac aggagaaagc aggaggttat tttattttac tttattctcg 600  
tgaaaaatatt tgtttgcatt ttttcattta aattgtattt attcacatta 650  
ac 652

<210> 392  
<211> 397  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 345  
<223> unknown base

<400> 392  
gttcacaggag ctggtggtca aggtggacag gggcggtggt gatggcgag 50  
tttgacaatg aataccagcg cctagaggcc tctatagtg attcaccccc 100  
aggggaggag gacctgttgg tgcacgtcgc cgaggggagc aagtcacctt 150  
ggcaccatat tgaaaacctt gacctcttct tctctcgagt ttataatctg 200  
caccagaaga atggtttcac atgtatgctc atcggggaga tctttgagct 250  
catgcagttc ctctttgtgg ttgccttcac taccttctg gtcagctgcg 300  
tggactatga catcctattt gccacaaga tggatgaacca cagtnttcac 350

cctactgaac ccgtaaggt cactctgcca gacgcctttt tgcttgc 397

<210> 382

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 121, 432

<223> unknown base

<400> 383

ggatgggaag gatcgattaa aggattggct tttggaanac ttactggtgg 50

gaataacggtt ggccttgtgc aaagtcacca aggcctgaca ttagtttgct 100

ggcaaggccaa ttgattcctc ntttcaacat cgcttatgca gctttctggt 150

cttcgggaat ctatgaattt ttggatcgtg tcatcaaatg tccattgggt 200

cctcttctct ggtgagtgtc ctgctgatca acgttctgaa agtgagacca 250

ttcacacaacg gtcaactggt catgggatct ttcgtcaaga atgagttttc 300

gggcctctcc taccttatgg gctataataa atccttgagt gtggtggcaa 350

cccaaaattt tctgactggg attattcagc taataatggg cgtattgggt 400

ttgggcttca ttgccactta ccttcgggag tntgcaatga gtgcttacct 450

gggctgcttg gcaattcata tcatgctgtc ccagctgact ttcattcttg 500

ggattatgat tagtttccat gccggtacca tctccttctt ctatgacata 550

attaatcact gtgtagctct ccc 573

<210> 384

<211> 551

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 40, 73, 120, 487

<223> unknown base

<400> 384

tgtttatgtc acctaccttc ncctttttta gttttgtccn agcaaacctt 50

gcagaatttt agatgaacat ggnaaaaatg ttacaatctg tgggcctgac 100

tttggtaag acctgtacan agatgaaaac ttggtgacta tactggggac 150

cagcttctta atcggatgta tcttgtatct atgtttgaca tcaacaacaa 200

gatcgagtcc tgacgctctg cagggggcat acgcagctcc tgaattggag 250

atagctcgct gttgtttttg cttcagtcct ggtggagagg acactgaaga 300

gcagcagccg gggaaggagg gaccacgggt catttatgac gagaagaaag 350

gcaccgtcta catctactcc tacttccact tegtgttctt cctagcttcc 400

ctgtatgtga tgatgaccgt caccaactgg ttcaactaag aaagtgccaa 450  
 catcgagagc ttcttcagcg ggagctgggc catcttntgg gtcaagatgg 500  
 cctcctgctg gatatgcgtg ctggtgtacc tgtgtacget ggctcgtccc 550  
 ctctgctgcc c 561

<210> 385  
 <211> 582  
 <212> DNA  
 <213> Homo Sapien

<200>  
 <210> unsure  
 <220> 18, 77  
 <223> unknown base

<400> 385  
 aacagggggg cgccttgntc cagaaatgtt tccctgggg aaagtggcat 50  
 cacttaatga cattcagcca acttacngaa tcttgaaacc atggtggaat 100  
 ctgtttaatgg attacctagc tgttggtatg ttaatggtag ccatctttgc 150  
 aggaacccatg caactttacc aaagatcagg tggctctgtt gccagtattg 200  
 ccatctctctg taaattcaaa ggcacatata ccaccaggaa atgccgaggt 250  
 cacttaataac atcccaaaaga tggaagcagc caccaacca gaccaagatg 300  
 ggccgacaaac aaacgacatt tcccttggga catctgctgt gacacctgac 350  
 ctactctctca gagccacata tctctgcaca gatttcgcac ttccaaatca 400  
 ggagggaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450  
 atttttagca atatgtattt attaatcaaa tgtgttacca tctggccott 500  
 ccgtgggtatt ctaagtactt tccataccta gctcttatac atactattat 550  
 cctctatgggc ag 562

<210> 386  
 <211> 265  
 <212> DNA  
 <213> Homo Sapien

<400> 386  
 atcaggttgg tgaagaaaga acctatgaaa tctgtacaaa agattggggc 50  
 tttctctctc ctgttaagtg gtgtactggg gatgaccgga agcatggcct 100  
 tgaatgtttt ggattgggta cacaatgcac ctggagggtg ccattaattg 150  
 gcaactctca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200  
 ccaactacta tgaaatttca cctaattgtt tcagtttcac ttcttttga 250  
 agtccagatt cctcg 265

<210> 387  
 <211> 457

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 31, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,  
315, 437  
<223> unknown base

<400> 387  
tggatttaat ggggggaaaag ggcggaaaaan ggncaaggat ccaaactggn 50  
ggaatttgggtg attttcgggt cccnttccgc ttcccgcccg gncagcgctg 100  
cgaagggtat atttcccttt ttctgatccg gcaacaagcc tctttaaact 150  
gtttlaaatga gaatgtccct ggntcanaga gtactactca cctggccttt 200  
cacactactc tctctganca tgntgggtgt gaaanggatg agaaagncct 250  
tggacttgggt cctcatattc attccagttg gaaanttgan actatccttc 300  
ttgacctgct gattgtgaaa atggntgggc ggtgtaagtc tggctttgac 350  
cctcgatctg gatcacacaa tattaacaaaa aaagcctggg acctcattgc 400  
aatgttactt aaattagcct ttgtcctcgc actctgnggt aaactggaac 450  
agttta: 457

<210> 388  
<211> 617  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 55, 80, 83, 107, 161, 181, 198, 203, 219, 233, 259, 272  
<223> unknown base

<400> 338  
gttaggtgat ccaggttttg gggtttttgc aacccttggg gtcattgggc 50  
ccttnaaatt aatcttcggg gggggtcctn gccatggncg gccaaacatt 100  
ttgggnnaca taccatttgg ttctgtaate gggggctttt cagtttctctg 150  
tgtaaaagggc ntgggcattg ctatcaagga nctgtttgca ggggaagcntg 200  
tgntggggca tccctggnt tggattctgc tgntgagcct catcgtctgt 250  
gtgagcacnc agattaatta cntaaatagg gccctggata tattcaacac 300  
ttccattgtg actccaatat attatgattc ttacaacat cagttttaac 350  
ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400  
tcattggtag tttagtggc ttctttacaa tcattgtggg gatattcttg 450  
ttgcargcct ttaaagacgt cagctttagt ctagcaagtc tgccgtgtgc 500  
ttttcgaaaa gacgagaaaag caatgaatgg caatctctct aatatgtatg 550  
aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

actggtgaaa atgtctc 617

<210> 389

<211> 305

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 27, 44, 50, 96, 107, 180, 185, 211, 289

<223> unknown base

<400> 3-9

aaaaaaaaaa aaaaagaatn tgactatata ccattggaaaa gcccccactn 50

tgcacattaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100

tcaagttttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150

aatatgtctg ttgccatag aaacgaggtn tattnttgtc ctcaattagg 200

ctttttttt ntccatagt acaccagaac taaagtaaaa gtggtttttc 250

tgtcttctt acttctccc atgaaatggg catatcatnt caacacttca 300

ccccaaatcg ccacgggcaa ccttatgacc ctaggctctc caccctaata 350

gtatcatcat tgcca 355

<210> 390

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 109, 233

<223> unknown base

<400> 390

agggagccca ttccagagccc aagtttccag ttccgggtttc cgggctcaga 50

attttccagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100

agtagagggt tactgttctt cggccgcctt gagctgtacc tttttagtgt 150

ctctctctct tttctccgcc ttcagccggg cgtcgcgaga gccctacatg 200

gacagatnt tccacctgcc tcaggcgcag cgtactgtg agggccattt 250

ctccttttcc cagtgggata ccattgattac tacattacct ggcttgtacc 300

tgggtgtcagt tggagtgggc aaacctgcca ttggatctt tggatggctc 350

gaatatgttg tctgtccat tgggatgtc agatttgta atcttctctt 400

cagtgttggc aacttctatt tactatattt gcttttccac aa 442

<210> 391

<211> 537

<212> DNA

<213> Homo Sapien

<220>  
<221> unsure  
<222> 74, 103, 117  
<223> unknown base

<400> 391  
ccagtttftc atggacatag aaaattccaa aagaataata atattgaatt 50  
taaatttggg ggggttaaaa aaanaaaaact taactttata aaattattta 100  
tntatittta agccttntat catattttcc ccatccaatt gtttggtttc 150  
agtgtgtccag cttttattta caggcatata aaagaaattg tgagatgttt 200  
tgcaagcttt tttttacttt gagagctttt aatttgtatg tttttatgtg 250  
aatgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300  
attagacatc tgtttaaatg gtaatgtagc atttattttg cttaaattgaa 350  
agggaaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400  
tcgtttttca ttgttattat tgtgagaatg ctgttatttg ggttgtgtgt 450  
aagrgccgtt cagccagtga tgccctgggc cagcgtgtgg ggccacctca 500  
ctctgtgtgg gtccctgggtg cttggacccc acgtgcttgt ggccaggctg 550  
ccctgtgggg gggccatgtg gctcagacc acaagag 587

<L10> 392  
<L11> 444  
<L12> DNA  
<L13> Homo Sapien

<400> 392  
tgtttccagt ctacctcca gagattagct gaaacacaga atatagcgcc 50  
atcatttjtg aaggggtttc ttttgcgga cagaggatca gatgttgaga 100  
gtttggacaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150  
ccatttaaaa ctggtttttg ggaaggtttt ctgaaagctc aagcactcac 200  
acaaaaaac aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250  
tgctgttatt cggcatttat ggacttctaa aaaaccatt tttatctgtc 300  
tgcttcggga caacaacagg gcttgattct gcagtagatc ctgtccagat 350  
gaataatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400  
aatlaacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<L10> 393  
<L11> 284  
<L12> DNA  
<L13> Homo Sapien

<220>  
<221> unsure  
<222> 95, 109, 186, 244  
<223> unknown base

<400> 393  
 ggtaagttc agtagtggtc tcaataagtg tgttaaactt gctttgggtg 50  
 attgcaatca gcatgggatt tggccatttc tatggcccaa ttcnattca 100  
 gaagcgtcna cagttagtca gaaagataca tgaagatgaa ttgaatgata 150  
 tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200  
 tataagtcac tgaaagaaaa tcttgcaagg tgttggacac ctantgaagc 250  
 agagaagatg tcctttgaaa cttaggaacc cctt 284

<10> 394  
 <11> 481  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 47, 94, 130, 192  
 <23> unknown base

<400> 394  
 gcagtgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50  
 ttgtcccatg tcagcctccc aagtagctgg gactatagac agnggccatc 100  
 atgtccagct aattatTTTT ttaattttan agaagagtct tgctagggtc 150  
 ccaggtctgg tctcgaactc ctgacctcaa ataactctcc cncctcaac 200  
 ctctgaagta gctgcaatga caggtgcaag cccactgtgt ttggctagag 250  
 tcttatgttt ttctaattcc aaaaaagttc cataatgatt ttgattcaga 300  
 ttgtattgag ttacacatt aatttaagaa gtgacatctt cataatacta 350  
 attttcccca aaaagaaaca gggatatgtt ttccatttat atgagtgggg 400  
 ttttttttgt ttgttttta cgtttttag ttttttcat ataggttttg 450  
 cttaggttcc ccaaactttc ttggttcatg g 481

<10> 395  
 <11> 508  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 22, 69, 473  
 <23> unknown base

<400> 395  
 agcatgggaa aggtaggaa cnaagggaag gggccccccg agcgcaaggt 50  
 gtgggtgccc accttcagnt ggaggagatt caaaagcata acctgcgcac 100  
 cgacaggtgg ctggtcattg accgcaaggt ttacaacatc accaaatggg 150  
 ccattcagca ccgggggggc cagcgggtca tggggcacta cgtgggagaa 200  
 gatgcaacgg atgccttccg cgccttccac cctgacctgg aattcgtggg 250



caagttcttg aaacccctgc tgattggtga actggccccg gaggagccca 300  
 gccaggacca cggcaagaac tcaaagatca ctgaggactt ccgggccctg 350  
 aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400  
 cctccctctc ctggcccaca tcctcgccct ggagagcatt gcctggttca 450  
 ctgtctttta ctttggcaat ggntggattc ctaccccat caaggccttt 500  
 gtccctgc 508

<210> 396  
 <211> 519  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 30, 38, 50, 74, 160  
 <223> unknown base

<400> 396  
 attggtacaa cagtccttta atggttgcen caatggcntg aaatccaagn 50  
 attacagact tttgtgataa ggtnaagctt ggggcacgt cctagaaacg 100  
 gtggccacaa gtgggggtgt gacctcgtg gccttcacgc tcaactctcc 150  
 gttctctgtt tgcaagggtc aggactccaa caggcgaaaa atgctgccta 200  
 ctacgtttct ctctctctg ggtgtgttg gcctctttgg cctcaccctc 250  
 gctttctca tcggactgga cgggagcaca gggcccacac gcttcttct 300  
 ctttgacac ctcttttcca tetgcttctc ctgcctgctg gctcatgctg 350  
 tcaagtctac caagctctc cgggggagga agccctttc cctgttggtg 400  
 attctgggtc tggcctggg cttcagccta gtccaggatg ttatcgctat 450  
 tgaatatatt gtctgacca tgaataggac caacgtcaat gtcttttctg 500  
 agctttctgc tctcgtcg 519

<210> 397  
 <211> 526  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 24, 96  
 <223> unknown base

<400> 397  
 gaactcacc ccagggtccg gttntacttt gtccctgctg ctgctggggt 50  
 cctgggtct atgtgcatcc tcttcactat ctactggatg cagtantgg 100  
 gtggggcttt gcttggatg gcagcattta catgttcaac tggcaccag 150  
 tgettatggt tgetggcatg gtgggtattct atggaggtgc gtcactgggt 200

taccgcctgc cccagtcgtg ggtggggccc aaactgcctt ggaaactcct 250  
ccatgcagcg ctgcacctga tggccttcgt cctcaatggt gtggggctgg 300  
ttgtgtcttt taagtctcac aaccatggaa ggactgcgaa cctctactcc 350  
cttracagct ggttgggcat caccactgtc ttctctctcg cctgccagtg 400  
gttctctgggc ttgtctgtct tctctctgcc ctggggctcc atgtggctg 450  
gcagcctcct aaaacctatc cagctctttt ttggagcgcg catctctct 500  
ctgtccatcg catccgtcat ttgggg 526

<110> 399  
<111> 773  
<112> DNA  
<113> Homo Sapien

<400> 399  
agaggagctg ccggtgcctc ctcagaacat ctctgateg ctaccagga 50  
ccaggaccca aggacaggga gtcccaggcg cacacccccc attctgggtc 100  
cccaggccc agaccccccac tctgccacag gttgcatttt gacttgggtc 150  
tcttgcagaa gtggcccttg tggctctgt ctgagaatcg tccctggggc 200  
cccttgcagc cctctctcat gaactccatct ggtatttggct ggctgtgggg 250  
acgtgggtccg aggggggggc tggctctcag cgtgggtggca gccagctctc 300  
tgggcacccat ggcaaatgct gagatctgag gggacaaggc tctacagcct 350  
cagtcagggg cactcagctg ttgcagggtg tgatggagaa caaactatgt 400  
acctacacac cgtcagcgac tgtgacacca gtccatctg tgaggattcc 450  
cttcatggga ggagcctgtc caagctgaac ctgtgtgagg atgttccatg 500  
tcacaaaagg cgggcaagga tctgctgtac ccagctgggg tccctgtcgg 550  
ccctgaagca tctgtctctg gggtctctac tgctggcttt cctgattctt 600  
gtgggcattt tcatctttag agtgtccagg ccgcgcagct cccctgacga 650  
cctcaaggcc ctgactcgca atgtgaaccg gctgaatgag agcttccggg 700  
acttgcagct ggggtgctg caggctccgc tgcaagcgga cctgacggag 750  
caggtgtgga aggtgcagga cgc 773

<110> 399  
<111> 546  
<112> DNA  
<113> Homo Sapien

<220>  
<221> unsure  
<222> 20, 74, 80, 159  
<223> unknown base

<400> 399

atcctggact tgaccacagn gtccgttgat tggaaacggg ggtcggcaaa 50  
 acaagtcggc tgggcagcag gagnagcagn aggattatta aataacgcag 100  
 ttggactctg gcaactggga gtgaagagga gcccaacagc cgagaaggga 150  
 aggaggcana ggagggggac cagaaggaca cccccgtgcc cgggaagacat 200  
 aaatccctga gtgcccggga ggagccttaa caagcggaag gagccctcaa 250  
 cgtccaaagt tggctttcac agtgcaagcc ttgatctcc aatgggggac 300  
 tcaggatcaa gaagatctac cctgggtctcc cggttgcaaa tattcagaag 350  
 aagtattaac agaagacatg attctcttcc ttcttcacct tcttcagta 400  
 ctacagttgg tgtccacagt tctctctctt ccagcactaa ctcaagctca 450  
 cgtagcacag gtaaacggag gagcatatcc cgtactcctt ccattagctt 500  
 ccaccataag aaggggagtg agcctaagca agagcctacc aaccag 546

<L10> 400  
 <L11> 500  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure  
 <L22> 25, 26  
 <L23> unknown base

<L400> 400  
 cggcttcctc ggcgccacc gncctnttcc ggaaggcggc tccctccctg 50  
 cgcagcgcgg agccctgag atcagcctcg agcaggcgcc cgagcgagac 100  
 tatccctaaa cgggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150  
 caaagggtcag actggtcgcg aagagaagat ccaggcctca gaggaggaga 200  
 aaguccggag ccagccgagc tgtcaagacc ggagggggga ctgcgagcct 250  
 taacaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300  
 cccnagtagc ggtgatcaca gacatgaaaa gatgcgagac gccggagatc 350  
 ccttaacacc aaataaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400  
 taacgtcaca gcacaggtea cagtaaggcc aaaaatgtgc atactcacag 450  
 agttlagagag agggatggtg ggaccagtta ctctccacaa gaaaattcac 500  
 acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550  
 Aataacacaa gc 562

<L10> 401  
 <L11> 506  
 <L12> DNA  
 <L13> Homo Sapien

<L20>  
 <L21> unsure

<222> 21, 99, 114  
<223> unknown base

<400> 401  
taacaaccac agaaactgga ntagtggtcc tacagtagct gcagctgata 50  
ccactgaaac taatttcctt gaaactgcta gcaccacagc aaatacacnt 100  
cttttcocaa cagntacttc acctgctccc ccataaatta gacacatagt 150  
ccctccacaa ttctacacc tgcctccccc ataattagta cacatagttc 200  
ctccaaaatt cctataccta ctgctgcaga cagtgcagta accacaaatg 250  
taaatccatt agctacctct gacataatca ccgcttcata tccaaatgat 300  
cgaataatca caatgggtcc ttctgaaaca caaagtaaca atgaaatgtc 350  
ccccaaccac gaagacacac aatcatcagg gcctcccaact ggcacogctt 400  
tattggagac cagcacccta aacagcacag gtccacagcaa tctttgocaa 450  
gatacctcct gtgcagataa ttctgttatgt gtaagctgc ataatacaag 500  
tttttgcctg tgtttagaag ggtattacta caactc 536

<410> 402  
<411> 470  
<412> DNA  
<413> Homo Sapien

<480> 402  
ccacagtatg gaagaatata cctgacttct agccctgtgc gccttttttt 50  
ctttctgctg ttgtactaa tagccttgga gatcatggtt ggtggtcact 100  
ctctttgctt caacttcact ataaaatcat tgtccagacc tggacagccc 150  
tgggtgtgaag cgcaggtctt cttgaataaa aatcttttcc ttcagtacaa 200  
cagtgacaac aacatgggtc aacctctggg cctcctgggg aagaaggtaa 250  
ctgcaccag cacttgggga gaattgaccc aaacgctggg agaagtgggg 300  
cgagacctca ggatgctcct ttgtgacac aaaccccaga taaagaccag 350  
cgactcttcc actctgcaag tcgagatgtt ttgtcaacgt gaagcagaac 400  
cgtgcactgg tgcactctgg cagtctgcca ccaatggaga gaaatccctc 450  
ctctttgacg caatgaacat 470

<410> 403  
<411> 509  
<412> DNA  
<413> Homo Sapien

<420>  
<421> unsure  
<422> 29, 39, 124  
<423> unknown base

<400> 403  
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tgggggatcg tgaacaaaacc cggacgtgcg ggcccggcgc cccgctccgt 100  
 tggggcatct tcaccaacga ctnttggggc aaggggcatgg ccgagaacac 150  
 cagccacaag tctacccgcc gctttgggtc ctacacttca agctaaacat 200  
 atttttgact ggtatgaacc cattctactt tcatgcagta aatataattt 250  
 tacactgctt agtgactctt gtgtgatgtt acaactgtga taaaactgtc 300  
 tccaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgtgtaca 350  
 tctattcat actgaggggg tggctgggat cgttggcaga ggggacgtgt 400  
 tagcgtgtct gctgtttcta ttggccttcc tctgtacaa caggagtctg 450  
 gatcagggtt gtgttggggg aagtttccct tccacgggtt ctcccttctt 500  
 cttgctgtt 509

<110> 404  
 <111> 400  
 <112> DNA  
 <113> Homo Sapien

<400> 404  
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 tctccgcagg agctcatatc cttattttcc atgacagatc ttaacggaca 150  
 atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200  
 ctgatcattt gcatttcgtt agctttctgg attatatcaa tgactgcaag 250  
 caactattat ggtaacttac gacctatttc tccgtggcgt tggctgtttt 300  
 ctgttgttgt tctgtttctg atcgtctcta atggccttaa aaagaaaagt 350  
 ctacatcaca gtggggctct aggagggcta gtccttggat ttatcctaac 400

<110> 405  
 <111> 370  
 <112> DNA  
 <113> Homo Sapien

<120>  
 <121> unsure  
 <122> 27, 36, 118, 138, 163, 179  
 <123> unknown base

<400> 405  
 aatgccccca agttaaatat ctcctonacc tttaentaag ttgctccttt 50  
 atttttattt tattattatt attattatta ttattttttg agatggagtc 100  
 tcaatttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150  
 aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200  
 gctgggacta cagggtgcacg ccaccacgcc tggctaattt ttgtattttt 250

agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300  
 gctcaggcaa tcgccccacc tcagcctccc aaagtgttgg gattacaggc 350  
 atgagccacc atgcccagct 370

<210> 406  
 <211> 473  
 <212> DNA  
 <213> Homo Sapien

<214>  
 <215> unsure  
 <216> 71  
 <217> unknown base

<400> 406  
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 gaggtttataa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100  
 accgtgttca ctaacccaaa tttgtagctg agaaaacaga ggtagagaga 150  
 ggttaagttaa aaaaccccaa gagagttcac ctaatatattgt gaagaaagca 200  
 aacccagggt ttcactaact tgtccatgtg tgtatgtgtg tgctgcgtt 250  
 caacctgtg tgtgtgtgta ctgtgtgat gctgtgtgt ttgtgcacac 300  
 ccatgtgtat gtacctgat acacaccsaa gtgtgtgtgt taccacaacg 350  
 aaacgcgaga tttattgaaa agaaagtga cccacagag tgggagcagg 400  
 ctatagccag tggctcagga gcttgggtac agcattttct ggagtttaag 450  
 tggctccag agttttcca ttg 473

<210> 407  
 <211> 539  
 <212> DNA  
 <213> Homo Sapien

<214>  
 <215> unsure  
 <216> 35, 51, 98  
 <217> unknown base

<400> 407  
 cagccaggcc agagaggag ccgagccagg ccatntccaa ccatgtccga 50  
 ngaggctcg gccatcactt cctacgagaa gtttcttaac ccccgagnag 100  
 ccttccac tctgggacc ttctcgcg gggggcacct gcccgagcaa 150  
 ggagccgggc tgctggaca tcaagcgact tcgggtgca gctgtcctcc 200  
 tgccatcgca ccgaccgct ccaccgttc cacaccaaca ggtggaacct 250  
 aacttctgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300  
 tttcatctgt gtctgttga gatcaagatg attgctattc cctgttagat 350  
 gatcaggact tcacttcttt tgatttattt cctgagggga gtgtctgcag 400

tgatgtctct tcttctatta gcacttactg ggattgggtca gatagcgagt 450  
 ttagaatggca gttaccagga agtgacattg ccagtggggag tgatgtactt 500  
 tctgatgtca taccagtat tccaagtcca ccttgccctg 539

<210> 408  
 <211> 545  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 18, 55, 93, 146  
 <223> unknown base

<400> 408  
 tcaaaaaggt tgcattcatt ttgcataaac agggacttta tatagttaac 50  
 tccctttata taattctctc tatagtaatc tcaaagagta ttntagactt 100  
 ctcaatgctt ttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150  
 ggaagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200  
 aggaacacaa agggaccagg aagcatttct tgtccagatt gtgtcaaaat 250  
 cccaattgcc atctgagaat agagaaggta aagtgccttg gactggctgg 300  
 ttctgctgtg tatttgaga cagtctctcg gagactgttt cagaagattt 350  
 caactgtctg cctttattcc ttgcaaatgg agcagagtct aacacagcaa 400  
 caattggaac ttggtttcag aaaacctttg actgttatct cagtccttta 450  
 gcaatcaatg catttaatct ttctggatg gctgccatgt ggactgcatg 500  
 caaatggac cattatgtgg ctactactga atttctttgg tctgt 545

<210> 409  
 <211> 585  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 45, 77, 118, 121, 203  
 <223> unknown base

<400> 409  
 gacatttatt ttcatccat tgcaacccat tgccataaga acatncccat 50  
 ggcccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100  
 gcaattttca aagcaagntt nctgaaaatg aaaaaaata cttatattga 150  
 aaaacttttt gagcggtatg gtgaaaatgg aagattatcc ttttttggtt 200  
 tgnagaaaact ttaacaaaac ttgggccttg gagagagaaa agtagttgag 250  
 attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300  
 ggcagttcaa gagggaaagc attttcactc acataaccac cagcattccc 350

ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400  
 agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450  
 atctgatgat aaacatatgc atgaccataa tcacogccta cgtcacacc 500  
 atcgttttga tcacatcttt gatcataaca acactcacca ttttcataat 550  
 gattccatta ctcccagtga gcgtggagcg gcgcg 585

<10> 410  
 <11> 446  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 45, 56, 57, 221, 289, 446  
 <23> unknown base

<400> 410  
 tancattccc caggtttaat gttgattatt tatatttgaa aaaanttgat 50  
 tttganaaac tgggtanatt actttcaaatt taatcattta ttccataattg 100  
 aacagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150  
 aacattgaat ctttaaaaaa taatgggtgat ttaatatatc aatgtgtggt 200  
 tttgtgtgtg atgtgtgtaa nattggagca tccaggagtg tgcgggtgtgt 250  
 atatgaacct atttttctac tgtatcttag aggttgcnc ttccatgggt 300  
 atnaaaatta attggatttc togattttta ttttgtttat gcacttttac 350  
 aattatgtc atttttaggtt gtttattaat gccagttttg tataataaaa 400  
 ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446

<10> 411  
 <11> 525  
 <12> DNA  
 <13> Homo Sapien

<20>  
 <21> unsure  
 <22> 67, 95  
 <23> unknown base

<400> 411  
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 ctccgtgtcc aggttcttca tgggcaagtg ctccgggtga caaanaaggc 100  
 gacattgact acagcacctg gtcctcggc atgctggtga cgcaggacgt 150  
 gcagctcggg cttttcatgg ctgtcatgcc gactctcata caggcgggca 200  
 ccagtgcacc ttctagcatt gtctggaag ttctccgaat cctgggtttg 250  
 attggtcaga ttcttttttc actagcggcg gtttttcttt tatgtcttgt 300  
 tataaagaag tatctcattg gacctatta tcggaagctg cacatggaaa 350



gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400  
 ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450  
 tttcttggct ggagcgctcg tctctctca gggccccgtg gtcaccgagg 500  
 agatcgccac ctccatcgaa ccccc 525

<210> 412  
 <211> 457  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 27, 37, 114, 213  
 <223> unknown base

<400> 412  
 caqttttttt atagtgaata ccaaaancat cagcaancac tggactgtca 50  
 acccaaggct tattgatatt tgaggagtgt atttctgcca ttaagagacg 100  
 ttggctcgcc ttctctgtga tcattgtgag cctgggctat ggcattgtga 150  
 agctctgttt aggaacagtc atgcacggg tgatcggact ggggcttcta 200  
 caactaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250  
 caaccattta gctgttgctt ttgatgacat ttttttagca gttattgact 300  
 caatttttgt gtgggttcatt tttattagtt tggcacaac tatgaagacc 350  
 ctaaggctaa gaaagaacac tgtgaaattt tcattatata gacattttta 400  
 caatactctg atctttgctg tgctggcttc tatagtgttt atgggggtggg 450  
 cgggcgcg 457

<210> 413  
 <211> 541  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 51, 54, 80  
 <223> unknown base

<400> 413  
 acgtggtctg cctgttattg gaaagatata ttaagatcca gttctggatt 50  
 ncancgtttt attttttttg gaaatgcttn aaaaagcagt ttttttatag 100  
 tgaataccaa aacatcagca aactggact gtcaacccaa ggcttattga 150  
 tatttgggga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200  
 gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 250  
 agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300  
 ctgttgaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttccttgatg acattatctt agcagttatt gactccattt ttgtgtgggt 400  
cattttttatt agtttggcac aaactatgaa gaccctaagg ctaagaaaga 450  
acactgtgaa attttcatta tatagacatt ttaaaaatac tetgatcttt 500  
gctgtgctgg cttctatagt gtttatgggg tggggcggcg c 541

<210> 414  
<211> 523  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 20, 172  
<223> unknown base

<400> 414  
acggggcggg gagcgggcn tgcgccggca ggtcggggga catactgtgg 50  
cgggttttgg gctggaggat agttgcaagt attgtttggg cagtgtatt 100  
ctaccacac tgcaccacag tatttataat ttccagcagg attgatttgt 150  
ctcatctat acagtggctg tntgattctt tcagtgcct gtatagtctc 200  
tatgtaactc ttacttctc gctgctgtca gtggtataaa taataataag 250  
tattttcaat gggagttct atgcagttgt gccttctatt ccttgcctca 300  
gactagctct gatagggaag atcattcac ctcagcaact catgcactca 350  
tttattcatg ctgcaatggg aatgggtgat gcctggtgtg ctgcagtgat 400  
aacccagggc cagtacagct ttcttgtggg tccctgcact ggtactaaca 450  
gctttggtag ccttgcctgg caaacctgct taaatgaata tcatcttttt 500  
ttactactga ctggaggggc cgc 523

<210> 415  
<211> 544  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 2, 30, 40, 117  
<223> unknown base

<400> 415  
gncacacactg gccaaacggg gcacatgggn cacactgcn aaatagggcc 50  
gcatgtgtgc agcaggatag taatgatgac cctgaagatg ttccactgtt 100  
tgatgcggaa gaggagncca ctaatagacc aaaaaagcca aaatcagaca 150  
tcagtagca tegtcttctc actttattct ttcgagtcag tgcaatcac 200  
gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatggg 250  
gacaattatc ttgttgttgt cgtgtgactt ttgggcagtg aagaatgtca 300

caggtagact aatggttggc ctacgttggg ggaatcacat tgatgaagat 350  
 ggaaagagcc attgggtgtt tgaatctaga aaggagtcct ctcaagagaa 400  
 taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450  
 cctgtccagt actgtgggtg atatttgctt ttagtgact cttctcttc 500  
 agagtaaaagt ggttggcggg ggttatcatg ggtgtggcgg ccgc 544

<110> 416

<111> 473

<112> DNA

<113> Homo Sapien

<20>

<21> unsure

<22> 35, 46, 62, 69, 142, 185, 252

<23> unknown base

<400> 416

cagcagtcct tatgattatg gaggaaagtg gaggnccctt atagcnaaac 50  
 aggtatgtgt gntatgacnt attcgcagca aaggcagatt tgtccctcc 100  
 agacatgatg cagccacaac agccatacac cgggcagatt tncagccaa 150  
 ctcaggcata tactccagct tcacctcagc ctttntatgg aaacaacttt 200  
 caggatgagc cacttttatt agaagagtta ggtatccaat tttgaccaca 250  
 tttggcnaaa aacactaaca gtattacatc cgttaaaagt agcagatggc 300  
 agcatcatga atgaaaatga ttgggcaggt ccaatggttt tttgccttgc 350  
 ttttggagcc acattgttac tggctggcaa aatccagttt ggctatgtat 400  
 cagggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450  
 atgagtatga caggtggggc cgc 473

<110> 417

<111> 417

<112> DNA

<113> Homo Sapien

<20>

<21> unsure

<22> 31, 53, 80, 96, 110, 130, 227

<23> unknown base

<400> 417

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 ccggctgttn aaggaccagc tctccctggn aaatgtgcac tttcagatca 150  
 caagatgtga aattgcagga tgcaggggtg taccgctgca tgatcaagct 200  
 atgggtgtgc cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250  
 aacaaaatca accaaagaat ttgggttgtg gatccagtca cctctgaaca 300

tgaactgaca tgtcaggctg aggggttacc caaggccgaa gtcattctgga 350  
 caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400  
 aagggaagagg cggccgc 417

<210> 418  
 <211> 585  
 <212> DNA  
 <213> Homo Sapien

<20>  
 <21> unsure  
 <22> 64, 67, 70, 78, 109, 152  
 <23> unknown base

<400> 418  
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 ctgcttctta acctctctgn gtccgggntg gcaagagtgt gggactttcc 100  
 cccctggcgnc cgtggacaac atgatggtca gaaaagggga cacggcgggt 150  
 cttttaggtgt tatttgaaag atggagcttc aaaggggtgcc tggctgaacc 200  
 agtcaagtat tatttttgcg ggaggtgata agtggtcagt ggatcctcga 250  
 gtttcaattt caacattgaa taaaagggaac tacagcctcc agatacagaa 300  
 tctagatgtg acagatgatg gccatacac gtgttctgtt cagactcaac 350  
 ctacacccag aacaatgcag gtgcattctaa ctgtgcaagt tccctcctaag 400  
 atatatgaca tctcaaatga tatgaccgtc aatgaaggaa ccaacgtcac 450  
 tcttaacttgt ttggccactg ggaaaccaga gccttcatt tcttggcgac 500  
 acatctcccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550  
 tatggaatta caagggacca ggctggggcg gccgc 585

<210> 419  
 <211> 575  
 <212> DNA  
 <213> Homo Sapien

<400> 419  
 taaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 50  
 cccatcaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100  
 ccgggttggga aatctgggtc cggtttttct ttgtggtgct cacttcctc 150  
 gtcacttgcc tgtttgcgca ttcctccgg aaattttcca tgagagactg 200  
 gggcatcgag cagaagtggg tgtctgttct cctgcctctg ctgctacttt 250  
 acaatgctcc gttcttcccc ctctccttcc tggtaacacg ctggctccca 300  
 gggatgctgg atgacctctt tcagtcctatg ttcctgtgag cctgctgct 350  
 cttctggtctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400  
 gtttaacttt ctatttgcct aaattcttca ttgttggact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgated 500  
aatgtaccag tatcgagttg ataccggaaa ttttcagggg atgaagggtct 550  
tcttcatggt gggggcagcg gcgcg 575

<210> 410  
<211> 572  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 90  
<223> unknown base

<400> 410  
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tttgattcag atatatTTTT aattgaaacc agagatgttn tagagtttag 100  
atctcttcac ttgattaagg tatggtctga atatgcgttg cttggcagct 150  
cgggttaact ataagacttt gattattatc tgggcactct tcactttggt 200  
cacagtaact ttgtggaata agtgttcacg tgacaaagca atccagtttc 250  
caaggcggtc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300  
gcagcatctg agagtaacaa ctatatgaac cagtgggcca aacaacagtc 350  
tgajgaagca tccctcagg aacagcagaa agcaccctct gtgtgtgggg 400  
gcttcantag caatgtggga agtaaggtgt tagggctcaa atatgaagaa 450  
attgagtgtc tcataaatga tgaacacaca attaaagggg gacgagaggg 500  
gaacgaagtc tttcttccat tcacttgggt tgagaaatat ttgatgttt 550  
atggaaaggt ggtggcgggc gc 572

<210> 421  
<211> 591  
<212> DNA  
<213> Homo Sapien

<400> 421  
aggtctccgt gtctgctcgc cctccgacgc tgctcaggaa tttgacaaga 50  
aaactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100  
agagttaga ttctttcatt tgattaaggt atggtctgaa tatgcgttgc 150  
ttggcagctc ggggtcaacta taaggctttg attattatct gcgcactctt 200  
cactttgggt acagtacttt tgtggaataa gtgttcacgt gacaaagcaa 250  
tcagttttcc acggcgttcc agtagtggct tcagagtggg tgggtttgaa 300  
aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350  
acaacagtct gaggaagcat tccctcagg acagcagaaa gcaccctctg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450  
 tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaaggag 500  
 acgagagggg aacgaagtct ttcttccatt cacttgggtt gagaaatatt 550  
 ttgatgttta tggaaagggtg ggggcggcgc c 581

<210> 412  
 <211> 264  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 17, 36, 139, 173, 224, 246  
 <223> unknown base

<400> 412  
 ttcttttttt tccccngca attttttcag tgaaanacat ggagtctttc 50  
 atcttggaga gttgtcagag tcaagatttt gctgtttag ccagtgtttt 100  
 aaaacaattc acaaagactt tctaggagag gaagagagnc tgagggaaga 150  
 agagatacag aaaaagaaaa tgcaggatt gaacctggaa actcacagaa 200  
 tctctgactc atgctggaaa tgtntttggg tacctcttgc cttttntgtg 250  
 ttggcggcgc cgc 264

<210> 413  
 <211> 501  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 31, 36, 78, 88, 207  
 <223> unknown base

<400> 423  
 tgaaggacc cctagttccc ctggcaaagt nttttnttca atccccact 50  
 tcattttctt taagagccat tccaagtntc ttctttntc gatacccaa 100  
 ccagctcaca tccactcaa ggggtgagat gccctctca ccattgaaga 150  
 gatcaagccc ccagggggga accagctcaa ctccccctc tgtctctcg 200  
 aagagctcc tgtttgaaaa ctgaggcag ctgtaccccg tgcgaagttc 250  
 ttgtctccgt ctcccatgt cttccaggat ttctctcat agtggggatt 300  
 actcgtaac ctttcttcc tcacctactt ccccttttc ttcagcttc 350  
 accgtgttta aatcttctaa taattctttt tatgacatct tgtttttcaa 400  
 gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450  
 ctccaaattt gtctttgtg acattttatt agctgtatt acatgttcta 500  
 aatgctttac ttgtgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462

<223> unknown base

<400> 414

tatcggcaca ttggcaaaga caacattcag gcccaatggc ccacaaattg 50

gtcgcgccaa tgcattntg naaaaggntt cactgcaaat tacaaaagca 100

tacntrnatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150

tgttcgaagc attcagcgtt ggctcgcaaa gacgcaatca gganaagccc 200

aagcaaggct gacgagggtt tctgagagca tctgganatt ttcattttac 250

ctttatgtat ttactacgg agtcagattc ctgaaaaaga ccccttgggt 300

gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcacia 350

ctgacattca ctactattac atctctggagc tctctgttta ttggtctttg 400

atgtttcttc agttctctga tatcaaaaga aaggactttg gcattatgtt 450

ccctgcactac cntgtatcta tttcttgat taccctttca tatgtcaaca 500

atctggcccg agtaggaacg ctggctcttt gtcttcctga ttcagctgat 550

gtctctcttg aggtcgcggc cgc 573

<210> 425

<211> 612

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 10, 110

<223> unknown base

<400> 425

attttttgaa attaattgnt gagctttatt ttgtttaatt gttatgccca 50

ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100

tagecattgn aaagctactc aagtgtgtg caagagtcac acccaatcc 150

ctttgatcaa atttaactaca cgagctgcac tgacattcta aactggttta 200

aatgcaagcg gcacagagtc agctatcgga cagctatcg acatggggag 250

aagactatga caggcgcaag tctcagtgtt gtctctggatt ttatgaaagc 300

ggggaaatgt gtgtccccc ctgtgtctgat aaatgtgtcc atggtcgtcg 350

tattgtctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400  
 gctccagtgc ctgcgatggg gatcaactggg gtccccaactg caccagccgg 450  
 tgcacagtga aaaatggggc tctgtgcaac cccatcacgg gggcttgcca 500  
 ctgtgtgtgg ggtttccggg gctggcgctg ccaggacccg tgtgagcagg 550  
 gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600  
 acctgcgacc acatcacggg gctggcgggc gc 632

<210> 425  
 <211> 254  
 <212> DNA  
 <213> Homo Sapien

<400> 425  
 ttttcaatga aaaaaagaat cccaaaaaaaa aaagttgtca gcttcatttg 50  
 tgggtcacac cttattttcc tgggatctca ggcacctctgt cctcttcatt 100  
 tcttacttct gagatctgca catctttttac ccaggagcct cagagctcct 150  
 gaggctgggtg tctgcctatc cccatcttca ctgttagtcc tcttgagat 200  
 tctctgtctc ctttcatgta ggtgctggat cctgtgtgtt ggagcgcccg 250  
 c 251

<210> 427  
 <211> 507  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 56, 99, 150  
 <223> unknown base

<400> 427  
 acaaatgttc ccaatgactt gttaaaagtc gatgggttag ctcaagatgg 50  
 aaaccccaat gtacattaat aacaaaagtt cacaacgggc aaaggacctt 100  
 cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150  
 tgaactacac taagtataca gtgatagtgg gatttgaaca cctgaagctc 200  
 cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250  
 ccgggttggaa atctggttcc ggtttttctt tgtgggtgct accctcatcg 300  
 tcaattgctt gtttgcccat tccctccgga aattttccat gagagactgg 350  
 ggcacgagc agaagtggat gtctgttctc ctgcctctgc tgcctcttta 400  
 caatgatccg ttcttcccc tctccttctt ggtcaacagc tggctcccag 450  
 ggatgctgga tgacctctt cagtcctatg tctgtgccc cctgctgctc 500  
 ttctggtgtg gctgtacca cgggattcgt gtccagggag aaagaaagtg 550  
 ttttaacttc tatttgcta aattcttcat tgttggaacta ttgtggttgg 600



cggccgc 607

<210> 428  
<211> 583  
<212> DNA  
<213> Homo Sapien

<214>  
<215> unsure  
<216> 19, 119  
<217> unknown base

<400> 428  
gcacccgctt gactgcatnt gagttttccc agtctgtctt tggggatggg 50  
gcacatgcat agtcttgatg tcttgtgccg tgtgattttt gcagataaga 100  
tgacttggcc catggccenc agatcactta ttctggggaa gtgtaggaac 150  
agtggttgcc taacccaagt tcttacatga tgtacctttt tcttttctaa 200  
aaaataactt aaaaatatga aatatactaa ttgttttcag atattacata 250  
caattggaaa gtggacaagt tctgttatat gctgtcactt ttcaagaacc 300  
tgagaatgat cctcggaatt gctgttactt ggggctgtt cagtctacac 350  
aagataggta ggtctcatat aaactttgtt ttgtttgtt ttgtttttt 400  
gcaaacagag tctcgctctg ttgtccagcg tggagtgcag tggcgtgatt 450  
tgggttactt gcaacctccg cctcccgat tcatgccatt ctctcgctca 500  
gctcccgag tagctgggac tacaggtgcc tgcaccatg cctggctaata 550  
tcttatattt tcagtagaga cgggagcggc cgc 583

<210> 429  
<211> 462  
<212> DNA  
<213> Homo Sapien

<214>  
<215> unsure  
<216> 51-52, 54  
<217> unknown base

<400> 429  
ttaatttaaa aatatgaaaa gtaaaaatgg gattttgtct tatttgtgtt 50  
nnanagctgg cttttcacac atgcagttgt tagtgtttac tgcccttgcc 100  
attttaatta tgaggctaaa gatgtttttg acaccgcaca tgtgtgttat 150  
ggcttcttg atatgtcttc gacagctctt tggctggctt ttctgcagag 200  
ttgtttttga gaaggttata ttgggcattt taacagtgat gtcaatacaa 250  
ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300  
tttgctcag gaagaacttt tacagtggat caaatacagt accacatcag 350  
atgtgtgtct tgcaggtgcc atgctacaa tggcaagcat caagctgtct 400

acacttcac ccatgttgaa tcacccacat tacgaagatg cagacttgag 450  
ggctgcggcc gc 462

<210> 430  
<211> 546  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 6, 35, 64  
<223> unknown base

<400> 430  
gggcncact ggccaaaata gttggaatgc cttttnttat tcaccaatgg 50  
gggccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100  
nattcctgga tacttgtaac caatttgcc ttagtgccat catgactgta 150  
atgagtgtgg acaggtactt tgcctcgtc caaccatttc gactgacaag 200  
tggagaacaa ggacaagacc atccggatca atttgggccc ttgggcagct 250  
tccctttatcc tggcattgcc tgtctgggtc tactcgaagg tcaccaaatt 300  
taaaagaagg gttgagagtt gtgcttttga ttgacatcc cctgacgatg 350  
tactctggta tacactttat ttgacgataa caactttttt ttccctcta 400  
cccttgattt tgggtgtgta tattttaatt ttatgctata cttgggagat 450  
gtatcaacag aataaggatg ccagatgctg caatcccagt gtacccaaac 500  
agagagtgat gaagttgaca aagatgggtc tgggtgctgg gcgccg 546

<210> 431  
<211> 526  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 56, 64  
<223> unknown base

<400> 431  
aggtgtcacc atggcaaagc ttcccttctt gattctctcg agtttgttga 50  
agcgtntacg gttncactga cggattcaga agctcatttt acctcagctt 100  
tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150  
gcagtcactg cactgggtgcc ccccggtctg agtcttttga cattttgact 200  
ggcgggatto aagcaacatc accattgacc actgtccaca caacgcccat 250  
tttaactgag tcttctttgt tctcaactct gacacctcct gacgaccaa 300  
tcagtgtctt agaagggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350  
attccactg agctgacctg cgtgggcccc tcactcacac ccacagaggt 400

gcactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450  
 ctgggtgtcc cctcgactcc acctgatgg gtgacgccgc aagtcagagc 500  
 cccccagaga gtagtgetgc tccctcc 526

<210> 432  
 <211> 575  
 <212> DNA  
 <213> Homo Sapien

<210>  
 <211> unsure  
 <212> 17, 93, 107  
 <213> unknown base

<400> 432  
 acatcagaa caggagnaat ttggactaat ttccaaacta cagacacttt 50  
 ctatcctatga tgcatttcaa aagtggactc ggaatttaac tgngttgcaa 100  
 aacatgncag tgcccagagga tgataacatt agcaatgact ccaatgattt 150  
 cactgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200  
 acaatagaag aagtctcaca aacagccatt tggaaaaaaaa gaagtgtgat 250  
 gggatatttc caggtacaac ctcccttaggc atgtctgttt ttaacctaaag 300  
 caaagccatt atgggcagtg ggattttggg actcgccctt gccctggcaa 350  
 acaatggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400  
 cctatatatt caataaacct cctattgata tgttcaaaag aaacaggctg 450  
 cctgggtgat gaaaagctgg gggaacaagt ctttggcacc acaggggaagt 500  
 tggtaatttt tggagccacc tctct 525

<210> 433  
 <211> 558  
 <212> DNA  
 <213> Homo Sapien

<210>  
 <211> unsure  
 <212> 23, 111, 130, 146  
 <213> unknown base

<400> 433  
 ccaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50  
 aagaaaccaat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100  
 tcttgagat ntgagagccg attaacaan caagagttcc agacntttt 150  
 ctttttgggt gtatcactag ctgcaggtgc tgtgttcctt agtgtcatct 200  
 atttgaotta tacaggttac attgcacat ggagtggcag gttttattca 250  
 ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300  
 gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350

ttcttgtatg taccttccca gcaggccttt ggttctgcat caaaaatata 400  
 aacgatgaaa gagtatctgt tgcctctatat gcaatcagtg ctgtctactt 450  
 tgctggagtg atggtgcgac tgatgttgac ttgactcca gtcgtgtgta 500  
 tgctgtctgc aattgccttt tcaaagtgtt ttgagcacta ttggggggt 550  
 gcggccgc 558

<210> 434  
 <211> 430  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 74  
 <223> unknown base

<400> 434  
 attgcagctg ttattttttt ggaaatgctt gaaaaagcag ttttttatag 50  
 tgaataacaa aacatcagca acantggact gtcaacccaa ggcttattga 100  
 tatttg tga gttgatttct gcgattaaga ggacgttggc togccttctc 150  
 gtgataattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200  
 agtcatgccc gggatgatcg actggggctt ctatacttaa tctttgcagc 250  
 tgttgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300  
 tctttgatga cattatttta gcagttattg actccatttt tgtgtggttc 350  
 atttttatta gtttggcaca aactatgaag acctaaaggc taagaaagaa 400  
 aattgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450  
 ctgtgttggc ttctatagtg tttatggggc gaggggccgc 490

<210> 435  
 <211> 536  
 <212> DNA  
 <213> Homo Sapien

<400> 435  
 gggcaactg gccaaactaa aatttttggg attgcagatg acgctcatat 50  
 tggcaactta ctaacatcaa aattctttag ttataaggat tttgatactt 100  
 tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150  
 ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200  
 tgcatttggt agaaagatta ttagtgatat gtggggtgtc ttagctaaac 250  
 aacagacaca tgtaagaaaa caccagtttg atcatggaga gctggtttac 300  
 catgcattgc aattgttagc atatacagcc cttgggtattt taattatgag 350  
 actaaaactc ttcttgacac cacacatgtg tgttatggca tcaactgatct 400

gctcaagaca gctatttggg tggtctcttt gcaaagtaca tcttggtgct 450  
 attgtgtttg ctatattagc agcaatgtca atacaagggt cagcaaattct 500  
 gcaaaccag tggaatattg taggggaggg ggccgc 536

<110> 436  
 <111> 513  
 <112> DNA  
 <113> Homo Sapien

<200>  
 <210> unsure  
 <220> 19, 40, 57, 66  
 <230> unknown base

<400> 436  
 aggtttttaa taggactanc agtacgatgg gcagtgtctn ttaattttta 50  
 ttcagngct ggtaanccgc ctatgtttgg tgattatgaa gctcagagac 100  
 ctggcaagaa ataacttttt aatttacogg tcaaacaatg gtattttacc 150  
 agcagtgata acaatttaca gtattgggga ttggattacc cactctttac 200  
 agcctatcat agtctcttat gtgcataatg ggcaaagttt ataaatccag 250  
 actcgattgc tctccatata tcacgggtgga tatgagagtc aggcacataa 300  
 gctcttcatg cgtacaacag ttttaattgc tgatctgctg atttacatac 350  
 ctgagtggt tttgtactgt tgttgcttaa aagaaatctc aactaagaaa 400  
 aagattgcta atgcattatg catcttactg tatccaggcc ttattcttat 450  
 aga-tatgga cattttcaat ataattctgt gagtcttggc tttgctttgt 500  
 ggggtgcggc cgc 513

<210> 437  
 <211> 570  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 32, 48, 72  
 <230> unknown base

<400> 437  
 caatggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaacctg 50  
 gggggcgcaa gctgtgcgac tnttttgagg ccggcctggg caggtgtctt 100  
 cctcgagagg caggcagggg atcccgga ca tagctttat cgtcatctgg 150  
 gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggttccaaga 200  
 aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250  
 tacttttagt ctaaaacagg atttgactct actaatccag ccttatacag 300  
 gatgctgtgt tctttgctcc tttgtgaatg tctgttgctg gtagctggtt 350

atgctcatga tgatgactgg attgacccca cagacatget taactatgat 400  
gctgcttcag gaacaatgag aaaatctcag gcaaaatatg gtatttcagg 450  
ggaaaaggat gtcagtcctg acctgtcatg tgctgatgaa atatcagaat 500  
gttatcacia accttgattct ttaacttata agattgatga gtgtgaaaag 550  
aaaaagaggg gtgcggcctg 570

<210> 438  
<211> 557  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 33, 51  
<223> unknown base

<400> 438  
agaaaaagaa gaatcaacgt aaataagata aanggattca aaataaagat 50  
ntcttgaaga gaaataagaa tcatttacaa aagcagcaga gaaaaatttt 100  
acagatgaag gagccagcta tttaagatgg gcatcaaggt tctccagcag 150  
tctaaaagcc aaaaacaaaa agaagaagcc tactacttt ttgccaaagc 200  
agctgacatg ggaaacttga aagctatgga gaaaatgggt gacgctttgc 250  
tatttggaag ttttggcgtg caaaatataa cagcagctat ccaattatat 300  
gagtccttgg ctaaagaagg atcatgtaaa gcccaaaaag cattaggatt 350  
tttgtcttct tatggaatag gaatggaata tgatcaaggt aaggcaactga 400  
tatattacac ctttggaagt gctggaggaa acatgatgtc ccagatgatt 450  
ttggggtaca gatatttgtc gggaatcaat gttctacaga attgtgaagt 500  
tgccctaagt tattacaaga aagtggcaga ttatattggt gacacatttg 550  
aaaaaag 557

<210> 439  
<211> 330  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 116-117, 135, 196, 261  
<223> unknown base

<400> 439  
ttttgttgcc ttgggtgttc tcacactctg caagttttac ttgcagggtt 50  
atcgagtttt catgaatgat cctgccatga atcggggcat gacagaagga 100  
gtaacgctgt taatcnntgg cagtgcagac tgggntgata gaacatgcag 150  
gttggttcac gggcattctt gctcagtatt atccttttca ttgtcnntag 200

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250  
 ctgggagcat nttagagacaa gagcttgtgg aaacaattcc gtgctgtaag 300  
 cctttgttta tttttattgg tattccctgc 330

<210> 440  
 <211> 549  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 45, 64, 82, 85, 88, 169  
 <223> unknown base

<400> 440  
 acacattgc ccatttattt tggcccttgt taaaccaata actgentatc 50  
 cagatatgcc acanttttgc ctgctgtggc anccntcntg gataggtgct 100  
 ctgtttaato acatggatgt tatataagag ttgggcccgc ccagcacaca 150  
 aggtcagcat gtgctcttnt gtcacgctct cgtatatagct gttgtccaga 200  
 tctttatctt ctccagaaagc tgggcatttg ccaagaacat caacttttat 250  
 aatgtgaggg ctctctctga cctacacca ttccaaaata gcttcaagtg 300  
 cttaacttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350  
 aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400  
 ctccacagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450  
 aagrgaatgt ctttttgtcg gttgccacca cagccgagat tctgaacata 500  
 cggagtgtag gtcttctgtg gaaggaatga tctgcaatgt agaattacc 549

<210> 441  
 <211> 303  
 <212> DNA  
 <213> Homo Sapien

<400> 441  
 atttattttg ctaaattgaa agggaaacata gatggaattc caaaatatgt 50  
 acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100  
 ctgttattgg ggttgtgtgt gagtgccctg cagccagtga tgccctcggc 150  
 caggtctgtg ggccacctca gtcttgctg ggtcctgggtg ccttggacct 200  
 cactgtcttg tggccaggct gccctggggc ggggccatgt ggctcagac 250  
 caccagagcg gagctgccct ggcccaagca ctgcagctgc ctgcaccccc 300  
 ggg 303

<210> 442  
 <211> 559  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 22, 38, 63, 90, 138  
 <223> unknown base

<400> 442  
 cgaacgcacct tcgcgggggca gnaaggccag ggggtgctnag ttcttttcacc 50  
 tctcttttaga ctnaagattt gccaaagtitt cgggcattgn tottgaggat 100  
 ctccagaaggc ctcttttaagc aagactgcaa atgggtgngt atttgtcatg 150  
 aacccaatga attccccaga acagtgggtt cactcagcgc aggggaatgg 200  
 ctctttggga ttgttattct totgcttggt gatgtgatat ggggtgcttc 250  
 ctctgaactt acttcgtatg tttttaccca gtacaacaaa ccattcttca 300  
 ggaactttgc aaaaacatct atgtttggtt tgaactttt gggctttatt 350  
 atttgggaagc catggagaca acagtgtaca agaggacttc ggggaaagca 400  
 tggctgtttt tttgcagatg ctgaagggtta ctttgcctgc tgcacaacag 450  
 atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500  
 ttcctatgac ttccaagtga aaaacctgag agcacaacaa ttgatactga 550  
 aaaaacccc 559

<210> 443  
 <211> 559  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25, 50  
 <223> unknown base

<400> 443  
 gacctcgacc caagggtccg cgganggggtg ggactgggtca tggatctttt 50  
 gtcagaatg agtttcggcc cctctctacc ttatgggcta taataaatcc 100  
 ttgagtgtgg ggcaaccaca actttctctga ctgggattat tcagctaata 150  
 atgggcgtat tgggtttggg ttcatcgcca cttaccttc ggagtctgca 200  
 atgagtgctt acctggctgc tgtggcaact catatcatgc tgtcccagct 250  
 gaactttcate tttgggatta tgattagttt ccatgccggt cccatctcct 300  
 tctctatga cataattaat tactgtgtag ctctcccaaa agcgaattcc 350  
 accagcattc tagtatttct aactgttggt gttgctctgc gaatcaacaa 400  
 atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450  
 tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500  
 acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550  
 tctctgaac 559



<F10> 444  
<L10> 547  
<L12> DNA  
<L13> Homo Sapien

<400> 444  
acagtttctgg ggaatcactg ttcttgggta gaaatttctg cattttatat 50  
aatftttcttg gctatattcc caaagcttgg attagcactg ctatgaacct 100  
tcacatagat gagcagggttc ataggccact tgacacagtg agtggcctct 150  
taaatctctc gttactctac catgtctggc tgtgtgggtgt ctttctcctg 200  
acgacttggg atgtctcatg gatactcttc aaaatctatg ccacagaggg 250  
tcagtgttt cctgttcaac caccatttgc agaaggggtca gatgagtggc 300  
tcacaaagt gttaaatagc aatcctcccc ccacataaa gtatttaggc 350  
ttgagagacc tgatgttgc ttctcaatat tctccttcc acagacaaga 400  
agtttttagc ctacagccaac cagggtggaca tccccacaat tggacagcca 450  
ttcacaaggc gtgtttgaat ctttttaaatg gtatgactca gaaactgatt 500  
ctctatcaag aagctgctgc tacgaatggg gggcatcatg cggcgcgc 547

<L10> 445  
<L11> 525  
<L12> DNA  
<L13> Homo Sapien

<L20>  
<L21> unsure  
<L22> 40, 69, 176  
<L23> unknown base

<400> 445  
ttcatggttaa aaaatgaact accctctgcc ataaagtttn taatgggaaa 50  
ggaagagaca ttctcagctt ggacgtggat ggcgcgcttc tgggtgggat 100  
agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150  
tcttgggtat actagtggat ttctcctgag ctgtatgggt tttttcctaa 200  
ttgtgggtat ttacaagaaa ttccaaattc cctgcattgt tccagagcta 250  
tattcaacaa taagtgttaa ttcaacaaat gctgacacgt gtacgccaaa 300  
tatgtttacc ttcaattcaa agaccggtga tggtttacc accattgcat 350  
ttgcatttgt ttgccacccg tcagtcctgc caatttacag tgagcttaaa 400  
gaccgatcac agaaaaaaat gcagatgggt tcaaacatct cttttttcgc 450  
catgtttgtt atgtacttct tgactgcat ttttggtac ttgacattct 500  
atgacaacgt gcagtccgcg gcgcgc 525

<L10> 446  
<L11> 510

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 2, 287  
<223> unknown base

<400> 446  
gncacactg gccaaaaggt tgcgcctagc cgcctgggaa tttaagggac 50  
ccacactacc ttccogaagt tgaaggcaag cgggtgattgt ttgtagacgg 100  
cgccttgctca tgggaacctgt gcggttggga atattgcttt tctttttttt 150  
ggcgcgtgcac gaggccttggg ctgggatgtt gaaggaggag gacgatgaca 200  
cagaaagctt gccacgcaaa tgcgaagtgt gtaagctgct gagcacagag 250  
ctaaaggcgg aactgagtcg caccggtcga tctcganagg tgcctggagct 300  
gggacaggtg ctggatacag gcaagaggaa gagacaagtg ccttacagcg 350  
tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400  
ctggaactata gtgttcacgc tgagcgcaag ggctcaactga gatatgccaa 450  
gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaaggggc 500  
ctgggggcgc 510

<210> 447  
<211> 551  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 32, 95, 98, 107, 207, 374  
<223> unknown base

<400> 447  
aagttttttt ttaattatca tgggaagggt tntggattta atgggggggaa 50  
aaggggggaa aaggacaagg atccaaactg gggaatttgt tgatnttngg 100  
gtccctntcc gctttccggc cggcagcggc tgcacgggta tatttccttt 150  
tttcgatcc tgcaacagcc tctttaaaact gtttaaatga gaatgtcctt 200  
ggctcanaga gtactactca cctggctttt cacactactc ttcttgatca 250  
tgttgggtgtt gaaactggat gagaaagcac cttggaactg gttcctcata 300  
tttatccag tctggatatt tgatactatc cttcttgtcc tgctgattgt 350  
gaaaatggct gggcgggtgta agtntggctt tgaccctcga catggatcac 400  
acaatattaa aaaaaaagcc tggtaacctc ttgcaatgtt acctaaatta 450  
gccttctgcc tcgcactctg tgctaaaactg gaacagttta ctaccatgaa 500  
tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448  
<211> 346  
<212> DNA  
<213> Homo Sapien

<400> 448  
aaatttaaat gcacacacac acacacacac acagaaattt tgagagccat 50  
ttaatatata ttgcctccct agaaacatac cttttaggga atttttatca 100  
ctaaaccaca tggtatttta atactgacat gttaacata aatacataca 150  
taaaattcac atgcatactt aacacttatg ttaaatatat tcaatgtata 200  
tactatagta cacaatatat gcatatatac atgtgggtat gtggtatgtg 250  
tgcattgtgtg tgtatggcca gtacataat ttgtgggaat aaggggcaaaa 300  
tgaaactgta cggcccttgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449  
<211> 550  
<212> DNA  
<213> Homo Sapien

<400> 449  
ccagtttgtc aaactactac tcttcaatgc ttctacatag cactctttaa 50  
gggnaaatte gtaggctacc caggagacc cagtttattg gttgggaaaa 100  
taagaaatg aagagtgtga cccaggtggc tgtcttcttg aactgacaa 150  
ccagcttgac aataatcatg ggagggaaaag caatctggaa taacatataa 200  
gaagtattat tgccttggat catgaatcta attggggcat ttacagagt 250  
ttctggatca gaaaagataa ccccacgatg ggaacaggac taactctgc 300  
agctatggg caaactggga ttattttatg aatatcttga aatgattatt 350  
cagtttgggt tctcacctt atttgtggc tctttccac tggccctct 400  
gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450  
tgacacacca gttagacgc ctggtaccag agaaagccca agacttggga 500  
gcatgggagc ccactatgca aggaatagca attctggctg tggggccgc 550

<210> 450  
<211> 499  
<212> DNA  
<213> Homo Sapien

<20>  
<21> unsure  
<22> 57, 55, 68, 100, 146, 160, 177, 194, 237  
<23> unknown base

<400> 450  
ctgttaatga ttgcatttgg ccttgcctgg ggggcatttt cttggggatc 50  
aaaccnccgc aaagngtntt catttccacg tgtctgtctt gtcaagcaen 100

cccttggtgt ccaggttcc tcatggccag tgctcggggg acaaanaagg 150  
 cgacattgan tacaagcccc gtgctcctcg gcatgctggg aacncaggac 200  
 gtgcagctcg ggctcttcat ggccgtcatg cggactntca tacaggcggg 250  
 cgccagtga tttctagca ttgtcgtgga agttctccga atcctgggtt 300  
 tgattggtca gattcttttt tcactagcgg cgggtttttt tttatgtctt 350  
 gttataaaga agtatctcat tggacctat tatcggaagc tgcacatgga 400  
 aagcaagggg aacaaagaaa tctgatctt gggaatatct gcttttatct 450  
 tcttaatggt aacgggtcac gagctgctgg acgtctccat ggagctggg 499

<210> 451

<211> 474

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 61, 77, 92, 99, 118, 136, 143, 167, 171, 228, 233, 255, 283,  
 347, 404, 468

<223> unknown base

<400> 451

atcccaaggcc tttagggccc ggaatnaaca attgcaatgc acgtttaagg 50  
 aaaaggccat ntggattca gacctnacg gcttccccc antttgtctt 100  
 cacttgcaac agggcttngg gtgggcctcc cgtttntaaa gcaccccnct 150  
 atgaatccac agtaggncaa naccgaagtc ccaagactgc ctggggcctac 200  
 tggcccccct agcatttggt cagaggtnct ctntacaagc tcccatgttg 250  
 ggaanaagca cagatccacc aggaacctg tntctctct cagatccctt 300  
 tcttgcaacc ttttccact ccggggactc agcccaggac acctcgntga 350  
 ntcttgccc ctttacact gcaagcaggg atgcggcat cagaagaatg 400  
 tttingtgtt gaaattgtt gaggggtttg gggttatctt tgttggtttt 450  
 tctctctctt ctgcttngt gggc 474

<210> 452

<211> 481

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 108, 153

<223> unknown base

<400> 452

acggcgctcc ccgcgcgaaa tcaaagctcc gagtcctccg tgtggggcat 50  
 tcgtccccc tggcacagt ggctctttc cagaagccc tttgtttgt 100

tttacgtnta aattgcgctc ggttcttatt tctctccctg gcaaggtctg 150  
 aaracgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200  
 accaacctgg ctactggaat cccagtagt aaagtgaaat attcaaggct 250  
 ctcagacaca gacgatggct acattgacct tcagtttaag aaaaaccctc 300  
 ctaagatccc ttataaggcc atcgcaactg ccactgtgct gtttttgatt 350  
 ggggccttcc tcattattat aggtccctc ctgtgtcag gctacatcag 400  
 caaagggggg gcagaccggg c 421

<210> 453  
 <211> 504  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 84, 117, 121  
 <223> unknown base

<400> 453  
 gtcattttta cattctagtc ctctgcata tctcaaggc tccctcaca 50  
 aagattacac acttattcca tcagctaaat ctgncaactt gtctgaatcc 100  
 agctatagtg agatttnttc nccgtccagc atcgtgagca attgtttctgt 150  
 tgaattccatg tctgcagctc tacaggatga acggtgttcc tctcaggccc 200  
 tggcagtcctc tgaatccact ggggcattgg aaaagacaga gcacgcttca 250  
 gggctaggag atcatagtcac acatggccct ggggtggacac tcttgaagcc 300  
 atctctaata aagtgttttag ctgtctcctc gtctgtgagc aatgaagaga 350  
 tttctcaaga gcataatcatt atagaagcag ctgacagtgg tctgtggaagt 400  
 tggccttcgt gttcaagcag ctcccatgac aacttccaaa gcttccaaa 450  
 ccaaaaaagc tgggattttt tgaactctta cagacatacc catttggatg 500  
 acatt 504

<210> 454  
 <211> 474  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 21, 46, 55, 81, 86, 218, 301  
 <223> unknown base

<400> 454  
 ttatgctttt cttgcagtat ntgaaaggcc cgattaacaa aacaanagtc 50  
 ccaanacccc ttttcttttt tgggtgtatc nctagntgca ggtgctgtgt 100  
 tcttagtgtt catctatttg acttatacag gttacattgc accatggagt 150

ggcagggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200  
aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250  
ctctcttgatc tacatattct tgtatgtaac ttcccagcag gcctttgggt 300  
ntgcatcaaa aatatcaacg atgaaagagt atttgttget ctatatgcaa 350  
tcngtgetgt ctactttgct ggagtgatgg tgcgactgat gttgaatttg 400  
actccagtcg tgtgtatget gtctgcaatt gccttttcaa atgtttttga 450  
gcactatttg gggggagcgg ccgc 474

<210> 455  
<211> 525  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 29, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,  
295, 301, 325, 349, 381, 396, 425, 441, 481, 495, 501, 516  
<223> unknown base

<400> 455  
gcccagaaaa ccttaagaaa aaaagcgnag gaaattttcg ccaaagctga 50  
aaqatnccag cggcctgaga aaaaagtctg ccccaaaaag nntgtttttna 100  
aaaggcnaag gaggaagccc ccttttntcc ctngggcact tgtatttttt 150  
naacccctgt ttccccaaat ccccactnat gaggatcagc ccattggtggt 200  
atttttttga tgatttctcg ngtoctggag tctttntcng gtcaaagggt 250  
tttttgttat atttgcncct tgtagctgat gtcaattcag gagcnaggag 300  
ngaagtcaca gcttatggat gggtnctcag cccacctttg cggctagtnc 350  
ttgtccagcag ccggggccat tggagcatat nttttctgcc agtttnogga 400  
gacagctctg ttgtgctggt ggccncagtt ggtggctctt ntggacatct 450  
ggttccatctt agtggctggt ccagaatctt ntgcctgaga aaatgagnc 500  
nggtttctctg gggagntggc gcgc 525

<210> 456  
<211> 505  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 94, 139, 162, 195, 257  
<223> unknown base

<400> 456  
tccttggttaa acatgaaggc ccccggttagc catggttttg ccaccttcat 50  
tccaagcacc ccgccccagc aaggcctctt ggtacctttg tcancactt 100  
gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150

ccagggtcaa cncgccttc cacaaaaagc cacatcgagg gccnccctcc 200  
 ccattcgttg cggtgcagc accggagctc ctgagtcagc gggggcaggc 250  
 acccctnttg aatacaatgt gcaggaagag ccgggtggagt tagaccacag 300  
 ctttcaccaa gaacgtctcc aggtcggagg agctctctgt agctccatga 350  
 ttcggaacca tcagcagagc ccacggcaga gtctccacct aaggggctgg 400  
 tggctggctg tgaccttcc catgggttaat tggatgcagc gctcacaggt 450  
 cccaaggtct gctcgggccc gggagctcca ggcgggaatt tttggccagt 500  
 gtggcc 506

<210> 457  
 <211> 194  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 36  
 <223> unknown base

<400> 457  
 tgcctccctc tctctctcc acaatctcc ccattntgca tgtgcgggtg 50  
 ccccttcctg tcctccacc ttctcttgag actgtgttct tttttcttaa 100  
 ttctgtcttc tgttcttct ttaggttgca tagtctttat tgatatttct 150  
 ttgaattccac tgattcttct gccagctcag tctgttgttg agcc 194

<210> 458  
 <211> 480  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 40, 61, 105, 128, 193, 217, 229  
 <223> unknown base

<400> 453  
 gattacaaaa acaaaaaatg ttaatttaa gggaaagggc ttaataattt 50  
 taatctggga ntaataatt cagtggaaat tttaaataaa tagttactat 100  
 aatcncaaat aattgagagt caactttntt ttccccaaa acatacatga 150  
 aaggctctgt tgtgtaagct ctgattttca ggaccttat ttntggaagc 200  
 agagtaactg gaaatantaa gtcaagatnt gaaaaaccatt tgaagttaac 250  
 caaaaaagcac aggcactacta ggcagggtgca gcacaaatga ttcaactacat 300  
 ggttctgata tcagctcgtt tggtaactact cacttttgtt ggatgggtac 350  
 tttgttggac cctcgtcaat ctctttcgaa gccattcagt cctcaatctc 400  
 cttttccttg gctaccggtt tgggtgttat gttcctcttt gctgttttca 450

tcaagatagt agagcacatc ttctttctcac 480

<110> 459

<111> 564

<112> DNA

<113> Homo Sapien

<120>

<121> measure

<122> 57, 73, 84, 93, 105, 147, 150, 156, 235

<123> unknown base

<400> 419

cggtccgaat atccggaacc tgacccaatc cttggccttt gaaactttca 50  
ttttttnggt gtctgctca acnctcagg tggngcccaa acnttggtaa 100  
agtcnagatc cgggggaggg tacttcatgg ccttggactc catattnttn 150  
tgcatttacc tgggtgaaag cctgctcaag atcatcgccc tgggcctctt 200  
ggtaactctt tgactcttgg aacaatttgg acttntctat tatggccatg 250  
gcccgtctgg acttcttctt gatgcagacc cactccttcg ccactctacca 300  
ccaaagcttc ttccggatcc tcaaggtctt caagagcctg cgggccttga 350  
gggcaatccg ggtctctggg aggtctcagct tcttgaccag cgtccaggaa 400  
gtgacaggga ccttgggcca gtctctgccc tccatcgagc ccactctcat 450  
ccttatgctt acctgctctt tctctctctc cggcgctctc cgggcactgt 500  
tccgcacatc tgaacccaag cgtctccaga acatcttcac caccatcttc 550  
acctctctca cctt 564

<110> 460

<111> 565

<112> DNA

<113> Homo Sapien

<400> 460

caaaagaaaag aaaagggcac ttccggagcaa atcatabact aggcctttga 50  
tgctttaatt cttctctagt tcattaaaag taactactaa ggaaagggtta 100  
aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150  
gattttcccc aattttgaca atctgtcctg gaaagcaaac ccttttttaa 200  
atctaatgtc tgggctttga gtattagctc atttagggtg gacaaatgca 250  
ttaactgttt caaactgtc acatttattc agtatttctc caagttgcta 300  
tctactcagc cttatgaatg cccctcgctt ttctaaggcc atgtgaaaat 350  
caaggcaactg ccttaggctt tgtgtcatct gcttttttgt tctgcgatat 400  
gcccagttcc caaatcaatt ataggtacct gtttaggaga gaggaagatt 450  
ttacctctca aagggtgaga tttgaaattt aactaaaaa gacaacttta 500



catttaatgc ttcacttaat gagacattct tttttttata agtctatttt 550  
tctactcagt ttcag 565

<210> 461  
<211> 563  
<212> DNA  
<213> Homo Sapien

<400> 461  
atgagagtgt taaggtttac tgcctttgcc attttaatta tgaggctaaa 50  
gatctttttg acgctgcaca tgtgtgtatg gcttcccttga tatgctctcg 100  
cagttctttg gtggcttttt cgcagagttc gttttgataa tggtatcttt 150  
ggcattttta cagtgatgtc aatacaaggt tatgcaaacc tccgtaatca 200  
atgagagata ataggagaat ttaataattt gcctcaggaa gaactttttc 250  
agtcgatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300  
cctacaatgg caagcgtcaa gctgtctaca ctccatccca ttgtgaatca 350  
tccactttac gaagatgcag acttgagggc tcggacaaaa atagttttat 400  
ctaatatag tcgaaaatct gccaaagaag taggagagaa attgttggag 450  
ttaatgtga attattatgt tttagaagag gcattggtgtg ttgtgagaa 500  
taagcctggg tgcagtatgc ttgaaatctg tgatgtggaa gacccttcca 550  
atgagctaa ccc 563

<210> 462  
<211> 487  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368  
<223> unknown base

<400> 462  
gaagtgggcc caacatntga caaaactccc aatgaangat tccccgcttg 50  
aaacaattggg ggcagggetn ccggctttga ggggcaagtt tcaagcattc 100  
aacaaagggt cccccggaaa atttcnangg ngtccaacac tcagtgcctn 150  
cagtcagccc ncagaaccca anacataagg catgtcatcc acaagctctc 200  
ctttggggjac aacgctacag gtccagaaca tccnccggagc tttcaatgct 250  
ctcgggggag cagacagact caccctccaac cccctggcct cccaagact 300  
acatcctgaa gattgtgcgc ncggtttatg aggacaagag tggcaagcag 350  
cggtaactct accagtanac ggtggccaac aaggaatacg tcgctacag 400  
ccacacgggc cgcacatccc ctgcaatctg gtcccgctac gacctcagcc 450  
ccatcacggg caagtacaca gagagactg cggccgc 487

<210> 463  
<211> 535  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 59, 66, 82, 227, 440  
<223> unknown base

<400> 463  
tataaaaggg cgggttttgg atttaatggg gggaaaaggg gggaaaaggg 50  
caggatcna actggngaatt ttggtgattt tngggtcctt ttcggtttt 100  
cgggcgggaa gggctgcag ggtatatattt cttttttcgg atcctgcaac 150  
aggtctctta aactgtttaa atgagaatgt ccttggtcca gagagtaact 200  
ctacactggc tttcacact actcttnttg atcatgttg tgttgaaact 250  
ggatgagaaa gcaccttga actggttctt catatttatt ccagtctgga 300  
tatttgatad tatecttct gtctgctga ttgtgaaaat ggcctggcgg 350  
tgtaagcttg gcttgagcc tcgacatgga tcacacaata ttaaaaaaaa 400  
aggtctgtac ctcatgcaa tgttacttaa attagccttn tgcctgcac 450  
ctctgtgtaa actggaacag ttactacca tgaatctat ctaggtctt 500  
attccttat gggccttgg ggcctggagc gccgc 535

<210> 464  
<211> 451  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 57, 59  
<223> unknown base

<400> 464  
aaaaggccaa ttttaagcaa aatataacaa aacgagaagt ggaggatgac 50  
tcgggtntna gcctgctgat tgactccag aacaaccagt atattttgac 100  
caagccaga gattcaacca tccacgtgc agatcacac tttataaagg 150  
acattgttac cataggaatg ctgtccttgc cttgtgggtg gctatgtaca 200  
gcataggat tgctacaat gtttggttat attatttgtg gtgtacttct 250  
gggaccttca ggactaaata gtattaagtc tattgtgaa gtggagacat 300  
tagggagaatt tgggggtgtt ttactcttt ttcttgttg cttagaattt 350  
ctctcagaaa agctaagaaa ggtgtggaag atttccttac aagggccgtg 400  
ttacatgaca ctgttaatga ttgcatttgg cttgctgtgg ggagcggccg 450  
c 451

<210> 465  
<211> 573  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 3, 79  
<223> unknown base

<400> 465  
cactggacaa accattatat ggcatactct ggntacgtgg totgcctggt 50  
attggaaaga tatattaaga atccagttnt ggattgcagc tgttattttt 100  
ttgggaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150  
caaacactgga ctgtcaaccc aaggcttatt gatatttgcy gagttgattt 200  
ctggagattaa gaggacgttg gctcgcttcc tctgcatcat tctgagcctg 250  
ggctatggca ttgtgaagcc tcttttagga acagtcatgc accgggtgat 300  
gggactgggg cttctatact taatctttgc agctgttgaa ggctgatga 350  
gagtcattgg gggttctaac catttagctg ttgttcttga tgacattatt 400  
ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450  
acaaactatg aagacccctaa ggctaagaaa gaacactgtg aaattttcat 500  
tatatagaca ttttaaaaaa actctgatct ttgctgtgct ggcttttata 550  
ctgtttatgg ggtggggcgg cgc 573

<210> 466  
<211> 596  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 19  
<223> unknown base

<400> 466  
tggatggtao cctgggcctc ccagagtcac agggcaatgg gtccattttc 50  
agcccaatgt ggtgtacatt acctacgct ccaagcgcag caagccggcc 100  
aatatcctgt gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150  
tcggctggcc cagggcagga ggctttggtc ggaccatccc ttacgcgca 200  
ggaagcggca agggaagctg atgctgtagc acctgggtac gctcagggag 250  
caaacctggg taagattgga gaggaccct ggaggttggg gcggggctccg 300  
ggagtgcgag ccggggggcc agatttctg cagcccagct ccaggagag 350  
caacattagg atctacagcg agagcgcccc ctctggctg agcaaagatg 400  
acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccgg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500

ggccgc 506

<210> 467

<211> 410

<212> DNA

<213> Homo Sapien

<400> 417

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gaatttgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 100  
ggaatttaagg gtttcagtaa taatgctata ccgaggtgct tgcattgtat 150  
ttcataatth ttgtacaaac caaaattatt tttaatgaga acagtcttgg 200  
gttcagaggt gtgatgccag aatgtattht cgtactgtta ggcccttgga 250  
acagataccg gtgctthtct aaagatgaaa gaaatgcaat ggggtgctct 300  
catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cactthtccc 350  
caataaagag atgcgtgtga ctagthtttg actthttaac ttaatgggga 400  
tgggggccgc 410

<210> 458

<211> 395

<212> DNA

<213> Homo Sapien

<400> 458

atgggtcttg gcacccattg acctgcttct tgcctctgta gattagttht 50  
gctgttctta gaattthtat tatgtaaggg aatgatgact atgtatgttt 100  
gtgttttgct tattthtacc agcaagthtt tgaggttcat gttattgtgt 150  
gtatcagaag ttagthtcta ttattgctc agtagtattt cattctgtga 200  
attacatg gtctgtthaa tatattcctc tattgatgat gaacatttag 250  
attacttctc gthtttgct attaaaaata agttagtat gaatatgcat 300  
gtacaa-gtg tattgtggat atactthtg ataataacta gaaccaggag 350  
tggttcacaaa tttaatttac acatctactc cctgtgttat ttgcc 395

<210> 459

<211> 558

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 53, 122, 235

<223> unknown base

<400> 459

tgggtgaaaa tthttggaaa aaagaatatt thctthttaa taggtaactt 50

aanatatttt attcattgtc gccacagtgt acaagaggaa tcagttaaac 100  
 tctgtgttc aggcacagtac cnocaattaa tgcacttgta gctactgaat 150  
 tcagaccaag ataaatataa ttaaattctag tgccttcagga aatgagttga 200  
 tcatcaaggg agttagaatg gaaaaacatt tatgnataat tttaaaggac 250  
 attggactta actgttttga atgaatgagc ttgatttttt ctatacatat 300  
 tataagttaa tataaaaaaa ggctttgggt agactcogta tgacattatg 350  
 tatttgattt catgagtttc attttctgca gtaactttat cattcatttt 400  
 tcactcttta ggctggaatg tagtggaata agaactgaac taggagttag 450  
 aagatttaag ttttggctct ggctccatca catactggca gtgatgatct 500  
 tagccaagtt tgaactgctt atggcggggt cttgtttatt catttcagta 550  
 ttccaac 558

<210> 470  
 <211> 552  
 <212> DNA  
 <213> Homo Sapien

<400> 470  
 agttacctc actttaccaa ggactttgct cggcgtttat tagtgctgtt 50  
 tgggttagcat tccattgct cacaaagctc tgtgtgcata aggattcaa 100  
 gcagcattgt gcccaaggaa aatttattgc tttttacott ttggggatgt 150  
 ctattcctta tctttatgca ttgaactcat ctgggcagta tttgagatgt 200  
 ctacccctat cctcgggaga agtgggtctg aaatccacac tgatgttgtg 250  
 ctggcatcca ttttggctgg ctgtacaatg attctctcgt cctattttat 300  
 taacttcac taccttgcca agagcacaaa aaaaaccatg ctaactttaa 350  
 ctttgggatg tgcaattaca ttctccttg tttgcagtgg aacatttttt 400  
 ccatatagct ccaatcctgc taatccgaag ccaaagagag tgtttcttca 450  
 gcatatgact agaacattcc atgacttga aggaaatgca gttaaacggg 500  
 actctggaat atggatcaat gggtttgatt atactggaat ttctcacata 550  
 ac 552

<210> 471  
 <211> 549  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25  
 <223> unknown base

<400> 471  
 gaggcattgt gaatggttgc agtgnagctt aggtataaca tcatcaagtg 50

tgttcacacg cgggggtcggg tttaatggag tgtccacggg gagataactg 100  
 cgatatttga acacctgtga gagagattgt totatagggt ggaatattea 150  
 gagttacatt ctgggaagtt totgttttta ctgcatcaa acacccctct 200  
 gttgtctctc atcatcttta atagcaactg gagaaccact tggcatttgg 250  
 taaggggggtg cactctctct acaaaggggt tttatggact tctcagggtg 300  
 gagagctctc gagaacacag gcaggatgga aaaagactac tagccacttt 350  
 tggcttccca acccccttta atgcatctct tcatctgtct totggctctc 400  
 ctctctctgg cacagtaaca ttttgggtct gtgcccaggt gtggagcaaa 450  
 acattggctg tccattctg atatacttca gaatttgaga gcagaagtta 500  
 atgtgggaac aaagtcttca ccatctctca agccccaagg actggagct 549

<110> 472  
 <111> 510  
 <112> DNA  
 <113> Homo Sapien

<20>  
 <21> unsure  
 <22> 45, 95, 404  
 <23> unknown base

<40> 472  
 attaggctgt ttgggagcat tccatttgt cacaaaagct ttgtgngcat 50  
 aaggacttca agcagcatgg gcccaagaaa atttatgtct ttttnccttt 100  
 ttgggatgtt tattccttat ctttatgcat tgtacctcat ctgggcagat 150  
 ttgagatgtt taccctatc ctggggagaa gtgggtctga aatccacact 200  
 gatgtgtgtc tggcatccat tttggtctgc tgacaatgat tctctgtctc 250  
 tattttatta acttcatcta ccttgccaag agcacaaaaa aaaccatgct 300  
 aattttaact ttggtatgtg caattacatt cctccttgtt tgcagtggaa 350  
 gattttttcc atatagctcc aatcctgcta atccgaagcc aaagagagtg 400  
 ttnttcagc atatgactag aacattccat gacttggag gaaatgcagt 450  
 tttacgggac tctggaatat ggatcaatgg gtttgattat actggaattt 500  
 ctccacataac 510

<110> 473  
 <111> 471  
 <112> DNA  
 <113> Homo Sapien

<20>  
 <21> unsure  
 <22> 70  
 <23> unknown base

<400> 473  
 gattgcaagg aggattttat atgatatgca tagcttgtct ttaaaagttt 50  
 ggtatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100  
 aaatctttat taaataatta tttcacaagt tagtaattat tgatattctt 150  
 cttcagggac tagagttcct atgcttccta aactgaactt taaggaaaga 200  
 tgagactata ttcagtgcag ttttaatatg acatatttta ttatctctta 250  
 ttttttaaat tgatatttta tgaaggagtc tatggactat aatacgaaaa 300  
 ttctgggttg ggaggcagga aactgggctt tcaagtacac tccaatagct 350  
 tttatataaa attcaggtgt tctttttctc taatacttga aatagctatt 400  
 ttcattttca tgtcattttc tgtacttttc ctgatacttt taaacattgt 450  
 tttattttca aatgaacagc c 471

<210> 474  
 <211> 379  
 <212> DNA  
 <213> Homo Sapien  
 <220>  
 <221> unsure  
 <222> 27, 77, 96, 101, 109, 117, 124, 185  
 <223> unknown base

<400> 474  
 ttcccgcaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50  
 aaaaaagctt ccatttttta tgaccancat gtattaagat ggaaactact 100  
 ntacgaaanc gaagtntat ggtntcgaaa agcccgtagc tgtttaaaac 150  
 ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttgggttagt 200  
 ggcagaagag tcaaaaaatg gcagttaatt attcagttat ttgctacttg 250  
 ttttttagcg agcctcatgt ttttttggga accaatcgat aatcacattg 300  
 tgagccatat gaagtcatat ttttacagat acctcataaa tagctatgac 350  
 ttgttgaatg atacctgtc tottaagca 379

<210> 475  
 <211> 446  
 <212> DNA  
 <213> Homo Sapien

<400> 475  
 tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50  
 ttgatccca gtacacttga tctccagtac agacatatgg tggaacagaa 100  
 gcttgatcac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150  
 ttgattcagt tcatctctaa attgcagttt gcggtgactg tgcttttgac 200  
 atcatggaca gagaaaaaac aacgtcgaaa aaaaactgcc actttatgta 250

tactcaacat tgtcttttct ccattcgtgt tggtcacat agttttttct 300  
 acactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350  
 ggtgggggtt ccccgacctt ttcagagtgt gccaggagca gcaggcacca 400  
 cagcctgtgt gtgtgcagat acagtgtact actaccaaat ggtgcc 446

<210> 476  
 <211> 451  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 37, 43, 81, 83, 125, 206, 244, 256  
 <223> unknown base

<400> 476  
 ggggtgctctt tttcaattca ggaacatcaa catttantaac acngtgggggt 50  
 gggatcccta caaatcatcc tgcttttttg nanatcactg gctactaagg 100  
 caggtgcagc atcaatgatt cactanatgg ttttgatata agctcggttg 150  
 ctactactca cttttgtgtg gatgggtact ttgttgacc ctgtcaatac 200  
 tctttngaag ccattcagtc ctcaatcttc ttttcttgg gtanccgttt 250  
 ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacatac 300  
 tctctctcac agactacaaa tatgtggttc agcacgaggc agtagaggaa 350  
 agtgcctcga ctgtgggagg cttggccaaa tccaaagact ttctctcctt 400  
 gttgctggag tcgctaaaag aacagttaa taatgcaca cccatcccca 450

< 451

<210> 477  
 <211> 527  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 7  
 <223> unknown base

<400> 477  
 ggccacnctg gccaaataag ggcaaaaage tttatttttt tgaacaggaa 50  
 aacatgtttt ttaaattcac atgttttgta tgagactttt gcgaagcaag 100  
 gcattgaactg ctaggtatta ttaagaatga atgatttttg catttaagtt 150  
 gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200  
 agacaaattg aatcttattt tataatactt ttggaatttc attaataagg 250  
 ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300  
 ggaagtcctt gctattcaac agaataacaa gaaaacttca gaatgtatca 350



ctctcctgaa aagaagatat taataagccc ttttatttat gggttatagtt 400  
 ttattttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450  
 ccataatttgg tatcagtgcg gtaattttgc tgttgcccca agaaaaagtg 500  
 cttttttctcc atggatgagg cggccgc 527

<210> 478  
 <211> 332  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 75  
 <223> unknown base

<400> 478  
 cacacacaca cacacacaga aattttgaga gccattttta tataattgcc 50  
 tccctagaaa catacctttt agggcnatttt tatcactaaa ccacatgtta 100  
 ttttaaatag gtacatgttt aacataaata catacataaa attcacatgc 150  
 atanttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200  
 atatatgcct atatacatgt gggatatgtg tatgtgtgca tgtgtgtgta 250  
 tgggcagcta cataatttgc gggactaagg gcaaaatgaa actgtacggc 300  
 cctgtgttcaa aaattagggt tggagcggcc gc 332

<210> 479  
 <211> 569  
 <212> DNA  
 <213> Homo Sapien

<400> 479  
 accaatcaga tgtatttagg gatttgggat attctaccag gtgtttgtgaa 50  
 atgtcaaatg gaacaagcgt ttcattctga ttttggaaact gaattggaac 100  
 caagaaaaga aatagtgcct tttgataagg caactagagg aactactgta 150  
 caaaaaatta aagaaatggt ctatagtctc ttttaaggcaa aattgggtga 200  
 caaagggaac ctctctgaac tggttaatct catcttgacg gtggctgatg 250  
 gagacaaaaga tggccaggtt tccctgggag aagcaaagtc ggcattggga 300  
 cttcttcaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350  
 acataccccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400  
 gtgttgaata tacctctctt tatggaataa gccttccctg ggtcattgaa 450  
 ctttttattc catctggggt cagaagaagg atggatcagc tgttcacacc 500  
 atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550  
 aagatgtttt ccatggccc 569

<210> 480

<211> 540  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 41  
<223> unknown base

<400> 480  
ccggccatga ctgggagact gaggacatgt atgggacgac ntgctacatg 50  
gcccagagtg ccggtcatct gtcaccagtg acagtgaggg ggcgccatgtg 100  
aatacccttc actcagggcc aaacgtgcc caaagaggat gtttttcagc 150  
agatcatttt attctggctt cagaattcaa gtcttctctc tgatcgagtt 200  
aggaataaat ctgggagggg aatgagtgc aaaagatgga tatgtctgtg 250  
ctggaataaa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300  
agtaggttat cagatgctgg gaaatgttg cactatgga ttagcatttt 350  
ctccattctt acatcgactt ttcgtgaga agagccctga ccaactaaag 400  
cccatctcag ctgaggagat cttgactctc ttttgtggg caccacctgt 450  
taccctatt attgttttgt cgataattaa ttttttgaa agattgtgtc 500  
ttacttggat gttttttttc atgatgtgtg tggcggccgc 540

<210> 481  
<211> 77  
<212> DNA  
<213> Homo Sapien

<400> 481  
ggccacactg gccaaagagc atatttgatc actttgatcc tctgttcttt 50  
tctctccgcg gtgtgtgtgg cggccgc 77

<210> 482  
<211> 560  
<212> DNA  
<213> Homo Sapien

<400> 482  
aaagaccag tcattgcaag cctccaagca tcagttacc atggggaaag 50  
catgtgttca aagccattct gatggtccta agtggccctt atcttctcc 100  
actcagcatt ggccagtc cgtcgagact ttgcaccacc aggcbaacag 150  
aagagagaag cccagttga tgtcttgacc cagataggtc gatctgtgag 200  
agggacactg gatgcctgga ttgggccaga gaccatgcac ctgggtgcag 250  
agtcttcgtc ccaagtgtg tgggccatct catcagccat ttctgtggcc 300  
ttctttgtct tgtctgggat cgcgcacag ctgctgaatg ccttgggact 350  
agctggtgat tacctcgccc agggcctgaa gctcagccct ggccaggtcc 400

agaccttctt gctgtgggga gcaggggccc tggctgtcta ctggtgctg 450  
 tctctgctcc tgggtttggg cttggccttg ctggggcgga tctgtgggg 500  
 cctgaagctt gtcattctcc tggcgggctt cgtggcctg atgaggtcg 550  
 tagcggcggc 560

<210> 483  
 <211> 581  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 174, 187, 224  
 <223> unknown base

<400> 483  
 caaacacatt ttattgcaca accctgtgca ctccgattgg catcgaggac 50  
 agtgggtctt atcaggccca acccaatgac atccttgaaa aggtgttcat 100  
 attatttacc aagtatcttg ataagaaaaa gtgnaggggc tgtcaaagca 150  
 gctggatcgg aatctccgaa aaatccaatg ctggttngcc atcggaggaa 200  
 tcaggacaaag cccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250  
 tcaaatctta tttatgtata ttctgctatg gaattagatt tctctggctg 300  
 tcaacttggg tctgggacat ccgacagtgc tggcataact atccatttca 350  
 ggcctcttca agtgggcttt atactatta tactatggaa ttggccttct 400  
 attggctctt tatgtctctt cagtctacag acattaaaag aaaggacttc 450  
 ctgactcagt ttgtgcatca cttggtcaac attgggctta tctctctctc 500  
 ctacatcaac aatatggttc gagtgggaac tctgacatg tgtctacatg 550  
 atgctctaga cttcttgcctg gggggcggtcg c 581

<210> 494  
 <211> 358  
 <212> DNA  
 <213> Homo Sapien

<400> 494  
 cctaggctca ttgtcacctt ttctggcaag acagcctcag ccccaacgca 50  
 ttcccacagg caagctgggt gccatgcttc agacacgaga cccaccaagg 100  
 ggcctccgca gaccacggtg cctgccaaag gccaccctga ggcgcggctg 150  
 ctgtcagttg gggatgggac cctgtttggg atgggagccc gaacccccag 200  
 ggcctggggg ggcctcaggg accagcaaatt ggcacacatc gctgctctc 250  
 aggcaccaga agccttcaca ctcaaggaga aggggcacct gctggggctg 300  
 cctggggcat tcaggaaagc agcttcccag aactcgagcc tgtgggccta 350  
 ggggcgcg 358

<210> 485  
<211> 583  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 32, 61, 95, 100, 110, 190, 205, 228  
<223> unknown base

<400> 485  
ctggcacaac atatggggga tgaaaaataaa anaattacat atgaagattc 50  
aaaaacacac ncaggaatga attacacgcc ctcccaggca tcaanaagcn 100  
caggagcagn cagttatgaa gtcaaaggta tagatgcaaa atgaaccaac 150  
aaaagggaagt ttttttttga aaagcagtaa aaaaaagctn caagaaacac 200  
ccaantgaag caaatcacgt acaaagantg agacaaatgc tggcttgccc 250  
tcacatggg ttactggaca gggtcataac aaatggtacc atcattgttc 300  
ttctgtgggc tgtagtttgg tcaattactg gcagtgaatg tcttcttgga 350  
ggaaacacat ttggaattat aatcctatcc tattgtgcca tcattggtgg 400  
taaacttttg gggcttatta agttacctac attgcctcca ctgccttctc 450  
ttcttggcat gctgcttgca gggtttctca tcagaaatat ccagtcctc 500  
aagcataatg tgcagatcaa gcacaagtgg tcttctctct tgagaagcat 550  
agcctgtct atcattctgg ctctgctggc cgc 593

<210> 486  
<211> 484  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 58, 152, 315  
<223> unknown base

<400> 486  
tgnatgtgg ggtatgtaca atgtttacgc atgtgagtgt gtgtaaagtg 50  
tggtatnaa gtgtgtgtgt acatctgtgc agctggtcac cagcatgtac 100  
cttcacaagt tagattttgc tggcatatcc acgagctgtc accactgtgc 150  
cctgggcatt gagctttttg aggtctgtgt gttggcctgt cccagggctc 200  
tgccatcgtc agtattggcc ccactcacag atgtttcttc ctgggttggg 250  
ccagctcctt ttggacaact ttgagatcca cctcggggccc gtctgcgttt 300  
gcgatgctgc tttntgtgg ctcttccgg ctactgggac tgttcccttc 350  
tggcattgcc ttgggcagca ctccaggagaa ctcagcctcc agggcctcct 400  
gttgtccttg aaaatgcagt tttatttcat tatttttatt tattttttt 450

tggg 454

<210> 437  
<211> 196  
<212> DNA  
<213> Homo Sapien

<400> 487  
ctcnaaatta aagtatcaaa caggggtcct cagaactgtc tcaacttctc 50  
ctgttcccat caatattaaa gctataaact caagaatcat tcttagcagt 100  
ttttttctct tttttcttct tttttctttt tttttctttt gagacggagt 150  
ctcactttgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488  
<211> 226  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 124  
<213> unknown base

<400> 488  
gtgtgtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50  
agtgtttttt tcaaagtgga cccaataaaa taaaaacaat atgcgtgcat 100  
gtgttttata aaagtaataa aa-nagttat tctgcttttt ctagtcttag 150  
ttacttactt acatatttat ttgggggggtg tgatgttctt tttaaaagga 200  
actcctgtga cactgtttac tccggc 226

<210> 489  
<211> 398  
<212> DNA  
<213> Homo Sapien

<210>  
<211> unsure  
<212> 53, 61, 143, 260, 293  
<213> unknown base

<400> 489  
gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50  
ggntgggtca nagttgggag tgaatcctcc aagggaataag cttggagaac 100  
tttttgaaaca gtcaatctgt aaaggtgttt gcaatcccaa ggncaatgga 150  
ctagattatg aaggctctcg ggtggaccca ctgttctctt ctgtttatta 200  
agttttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250  
tccttatgcn tatatcgtc tccaacagca tcctttccaa atntatagcg 300  
cttcaaagat tccaggacag atcgggaaga gccagtgtcc atagaaacct 350  
ggggttgttc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490  
<211> 588  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 5, 63, 87  
<223> unknown base

<400> 490  
ggtttttccc ttccggtatga caactacaaa aaagcaagcc agtggggatt 50  
cctctgagggc ccttggacct gccaaaacatc tccgggngca tgcaaaaagg 100  
tattctacttt tcaactgcacc ctcatcggat actttgtagg cctgctcact 150  
ggtacttggg cgtctcgcat tcacggggcc gccagcccg cctttctcta 200  
ttcgggtgcca ttacttttat tgcactcct cactgatggc tatttaaaagg 250  
gagacctccg ggggatgtgg ttgagacct tccactccta gtccagcaga 300  
ttccgattcc tgggaagtatg atggatcacg tggaaagtga ccagatggc 350  
gtcattgccc tttctctcca actcattggt ttgttctct tagagctggc 400  
ctggtatcca gaaatgtacc tgtgtttaag gaactgggt gtgactggat 450  
ttggcattga aagggagctc gtttcagga gagaggtgt ggagccctgt 500  
ttggttcttt ctcttctgc ggatgtagag gtggggcccc ttccaagagg 550  
gacaggcttc tccccaga 568

<210> 491  
<211> 582  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 36, 42, 74, 92, 168, 177, 232  
<223> unknown base

<400> 491  
aagactccca aggaagttgt tgaactatat ttgganaaac angccactga 50  
atattatcat ttttctttt aaanagagtt ttgtaagggg gnaaacatgc 100  
atttttatcc agacaattta tccaaagcat ttcagaacat gaagtgtga 150  
tgagggcacc tcttgtgntg agtccntaa gctatcaagt gttcttctca 200  
aggacacatt tgggaaggtt taacattgaa antgagcga ggacttgggg 250  
gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300  
ccacctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350  
ccttctgctt ccacggctct gttaattcta gatcagagag caagaaaaaa 400  
gtacagaaca tctctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggetgacac 500  
tgacatttca ctctctcgct ctcttaagtt taattacaac agcacgtgca 550  
gc 552

<210> 492  
<211> 579  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 3, 147  
<223> unknown base

<400> 492  
taccagcattg gcagcaacaa aaattttctag tttggntgat gatttttgag 50  
aatcagcctt ttttggggaa tatttttggtc tagcaccctgt tggggagcag 100  
gatgaatttg cagattttat ggctttcagt aatagcttta tttcatntga 150  
gtaaaaagcg gatgacaaat atgatgcctt taaagaggaa gccagtcctg 200  
ttctctaac cagcaacgtg ggcagcacag tgaagggtgg acaaaactcg 250  
aatgcttggt ctaccaagta cgatgtcttc agacaacttt ctctggaagg 300  
gtctggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350  
gtgatgatga ttttgctgac ttccactcca gtaaattttc ttccataaac 400  
tgggaacaaat ccttgggaga gaaagcagtg gctttcagac acaccaaaga 450  
agactctgca tcagtgaagt ccttagatct cctttccatt ggtggcagca 500  
gtgttggcaa ggaggactct gaagatgcac tctctgttca gtttgacatg 550  
aaattggtg atgtgggagg agggggcgc 579

<210> 493  
<211> 574  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25, 89, 165, 192, 339  
<223> unknown base

<400> 493  
gcctatccca ggttaccctt ccaaggaggaa accaggtttc tttaaaaaat 50  
taagcagccc ggggcccgtg ggtcacgct tgtaatccna gcctttgaag 100  
cccgaggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150  
ccgtgcagga ggcgtnaaga agtgcttccc cgtgggtggag accagcaggg 200  
cctgtgcaga gtgcctgcg ggactgcag cccctcctgt cctccctcag 250  
caacctggcg gaacagctgc aggcgcaca gaacctgcgg tttgaggatg 300

tgccggcggt tcgggcttc ccagatttaa aagagcggt gaggcgtaag 350  
 cagctgggtg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400  
 catcctcttc aaggtgogag acatggtcag cagccatgtg gagcgagtgt 450  
 ttcagatcta tgagcaaac gcagacacag ttggcattga tgcgtcctg 500  
 cagccttcag cagtgaagcc ctctgtggct gacatgttg aatggttgct 550  
 ggatattgag agacggggcg ccgc 574

<210> 494  
 <211> 545  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 35, 40, 114, 133, 284, 359  
 <223> unknown base

<400> 494  
 cagratgaga catccccca tgctggggc cattnagatn tttttggagc 50  
 accagtcact cccaggtttt tatttttaggg gtcctcgatt ttacctactt 100  
 tctcagactg gtanaagttg ctctgcatac canaaaaact ccattttttt 150  
 ccataaaaagg gattacagaa aactcttttg tgagtgaagt attggaactt 200  
 agaacctctt gttgacagaa tcagactgcc ctagaacaga atggacaatg 250  
 cagcgaggag aattcacaca aacagcactt gttntgaggc ctgtgccagc 300  
 ccacacaggcc tgctcaaatg tggctctttac ttcaagtgc cagaggcaca 350  
 tgaggtttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400  
 ccccatgggt ttacacatca gttccgtttt ttttgcgtga cttgataaaa 450  
 tgtttattct catcacaggtc aagtacattt attctattc acagtgaagta 500  
 cccataata acaaaagcgc ttacaaattt gggggggggg gccgc 545

<210> 495  
 <211> 239  
 <212> DNA  
 <213> Homo Sapien

<400> 495  
 ttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50  
 tctcagtcct aaatgcttta aatcttcttt tccattctt tttacttctc 100  
 ctatccatag ttacaagttc ttacgcatac catatctctt ggctgataag 150  
 ttttaactgt taagcactg tttatgttct atttttaaca tagccagtta 200  
 ctattatgct tggatataca caatgagggg agcggccgc 239

<210> 496  
 <211> 402



<210> DNA  
<211> Homo Sapien

<220>  
<221> unsure  
<222> 2, 34, 85, 89, 105, 108, 115  
<223> unknown base

<400> 496  
tggtggaaaaa acagttattg cancggttgc ttanaaaaac ataaaaaatgc 50  
atccatgggg cttattttatt caggagaaat ctcanagenc ctgggagtgc 100  
ttanagmca ggggntgctt gcatcctctg tggatgtgtg tgtgtgtgtt 150  
tgggctcagg tgtgtgcgca caggtttgtg tgctgtgtg tgcattgtgtg 200  
tggggtgtgt gtgcattgtg gtatgcacgt acccgtgtgt gtgtgcacag 250  
gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtgggggtg tgtgtgcattg 300  
tatgcacgta ccagtgtgtg tgtgcccagg tgtttgcgtg cacaaatatg 350  
cattctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcgggc 400  
cgc 402

<210> 497  
<211> 543  
<212> DNA  
<213> Homo Sapien

<400> 497  
cattataatt aactatagtt actatgctgt atattttgat acccagaccc 50  
atcttataac tgaaagtttg tatcctttga tccaaatccc cacatttttc 100  
ccagccctctg acaaccacca ctttactctg tttctatgag ttcaactgct 150  
ttagactcca catgtaagtg agatcataca gtattttttct ttctgcactg 200  
gtttatctca cttaacataa catcctctag gtccatctat gtttcagcga 250  
atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcagggtat 300  
atatacaga tacacataca taagggaata tgtgtgtgtc tggggtacat 350  
gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400  
catatatata agggaatata tgtatatgtg tctggtacat atacatgaag 450  
gaatgctatt ttttactcat tcatctctca gtggacactt aggttggttt 500  
catatcttgg ctattatgaa tagtgctgca ataaatatgg gagtggcggc 550  
cgc 553

<210> 498  
<211> 576  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure

<222> 47, 71, 78, 92, 112  
<223> unknown base

<400> 498  
ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50  
ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100  
ttatttcgaa gnatcataag attcacaggg gtgtttgcat ttggactttt 150  
tgmactgac atttttgtaa acgcgggaca agtggtcact gggcaactta 200  
cgccatactt cctgactgtg tgcgaagccaa actacaccag tgcagaactgc 250  
caacgcgacc accagtttat aaacaatggg aacatttgta ctggggacct 300  
ggaaagtgata gaaaaggctc ggagatccct tccctccaaa caagctgctc 350  
tgagcattta ctccgcctta tatgccacga tgtatattac aagcacaate 400  
aagacgaaga gcagtcgact ggccaagccg gtgctgtgcc tcggaaactc 450  
ctgacagcc ttctgacag gctccaaccg ggtctctgag tctcggaacc 500  
actgctogga cgtgattgct ggtttcatcc tgggcaactgc agtggccctg 550  
ttcttgggaa tgtgtgtggc ggccgc 576

<210> 499  
<211> 330  
<212> DNA  
<213> Homo Sapien

<400> 499  
aaaaaaaaaa aaaaaaagct aaaaaacctt gactaaatct accatgtttt 50  
ctcatattat taaaaattct aaacgtgggt ttttttgttt tgttttgttt 100  
tttctgttct cctctgcag agttgttagc ggttctcgag atgccactct 150  
tagggtttgg gatattgaga caggccagtg tttacatggt ttgatgggtc 200  
atggtgcagc agtccgctgt gttcaatatg atggcaggag ggttggttagt 250  
ggagcatatg attttatggg aaagggtgtg gatccagaga ctgaaacctg 300  
ctctacacag ttgcaggggc agggggccgc 330

<210> 500  
<211> 440  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 42, 79, 82, 101  
<223> unknown base

<400> 500  
atcaatggcc acccagcaag accaagttac aaggatcgta tnttggtcgc 50  
aagggatgaa agtggcccaa gggctcctnt tntcggtgaa cgttcagctg 100  
ntgcaggacc acgggggaaat tgccaagagt aagcatctcc agggggagat 150

gacctaacgt ttccaaaaga gaaacaggca gcagggttctt aagcagtgaa 200  
 gatggcggagc agatgttgca tgtggctcct gaggcacagc agtgacttcg 250  
 tgcccagagc ctggcagaga ggtcgcaggc gtgcacagctt cctgcccagt 300  
 cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350  
 gtgggtgtgc ctgtatgtgt gtgcataatgt gtgtatgcct tgcacaggcg 400  
 tgcacaggct tgaatgtgta taagtggggg gggggggcgc 440

<210> 501  
 <211> 563  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 31, 48  
 <223> unknown base

<400> 501  
 gaaatattctg caggtatctc tccggcccac ntcttgcct actgagctc 50  
 aatcctgacc tgtcatcgtc ggtttcgtga cctcatcat atttaagcgg 100  
 gaaatgcaca cggccccac acagcagtggtt gacccagta cgggatgcc 150  
 tccagcatt cccagtttat gtggttcttc tccgtctatt cctcctttt 200  
 cctgtattta agaatgcacc aaacaaacaa cgcacaggtc ctggattgc 250  
 tctggaggca cgtgtctctc ctgggaactc tggctgtggc ctctcagtc 300  
 tctacagca gggctctact gtgtaccac acctggagcc aggtgtctta 350  
 tctaggcacc gctggaggcc tcatggccat cgcctggtc atcttcacc 400  
 atagggtcct caccctcgtg tccccagga tagcagctg gctgtctcc 450  
 gacttctctc taatccaga cacaagctc attcccaacg taatctgggt 500  
 tctgtacacg gtaaccggg cagaagccag gaacagacaa cgttaagctg 550  
 ggcacaggcc cgc 563

<210> 502  
 <211> 583  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 81, 126  
 <223> unknown base

<400> 502  
 cctgcccac agttaagttc aagttttctt ttcagataat gcttgaaatt 50  
 gccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100  
 aagttttaag taaagcagtt tcttcttca ttagcatgtg ttttacta 150

acattttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200  
aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250  
ttactgttag tttaaataac attagggggtt tcaatttggc ttcttaaaat 300  
ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350  
cataaactcag ttgtttaatg gatgctcata ccaactgttta ttttttcaaa 400  
tattttaaca cactttccaa atgggtgggt ttgctttata aatacagttt 450  
tctacttaca catgaggaaa ataataattat ttgcattatg gatgtacact 500  
ttgaaaaact ttttaattgca attatctgtg tatttcacaa tctctggtaa 550  
ttttctcaga ttttaatttg gtgggggggc cgc 583

<210> 503  
<211> 459  
<12> DNA  
<13> Homo Sapien

<400> 503  
aagctctgtg aaatggatca accaatccca gtacatttgc ttcaagatto 50  
aaatcacctc aggggggggc ttgggacggg atcagcatto atcatgggga 100  
agaaaaacac agggcatcag tggatcatac acagtgtcca tcaagaaaga 150  
aaagttaact ttttaattgt ggggtcaaac tggacagcaa ggtgcacagt 200  
agaagagaga agaagtgttt ttaggcatto gttcacatac acagattgtc 250  
ttcagaacca aacgtgggtat cagttacata ggagatgtag cagtggatga 300  
tatttccttc caagattgct cccctttggt tagccagag agaaagtgtc 350  
ctggtcatga attcatgtgt gctaataagg actgcgttgc caaagacaag 400  
ctggttgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450  
catctgacg 459

<10> 504  
<11> 213  
<12> DNA  
<13> Homo Sapien

<400> 504  
aaaaaaaaaa aaaaaaaaaa acctgccaat ttcaaacat accgtagaga 50  
ttaatttcag gtgcattttt atagtatagc agcagggctt ttactctgtg 100  
tatgcacaga tgcagtctgg ggcattggtt gtgtgctgga ctttctcatg 150  
gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200  
tcaactcatt ggtaaagg 218

<10> 505  
<11> 552  
<12> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 63, 88

<223> unknown base

<400> 505

tttaagtgc aaaaattatt ttattttttt cccagtaatt ttaaattgga 50  
atttcagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100  
aggracaaat gcttattctc gtcactgtcc tttttatgto agcatttcaga 150  
gttactggct gtcatttttc atgggatgat tttatttgta gotttcataa 200  
ontgtttggaa gaagttacta ctttggacag gctatcagga taacttccta 250  
tatgaatgaa actctcttat attttccttt ttcacccac tccagttata 300  
ongtgagatc taaaaaaata ttcttatcca agctcattgt ctgttttctc 350  
agtaacctggt taccatttgt actacttcag gtaatcattg ttttacttaa 400  
agtttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450  
tcaatagttt tctcattgct acagtgtatt ggtttaattg tcacaagctt 500  
aatttaaaag acattggatt acctttggat ccatttgta actggaagtg 550  
ongtttcatt cc 562

<210> 506

<211> 485

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 77, 124, 166, 225, 259

<223> unknown base

<400> 506

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cagagccttc cacaatgggg ccaaccntgc cccacggaga ccggccatgg 100  
caaccgctca atcagaaggt gtntttgatg cggccggcca ccagcctaag 150  
gatgtccccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200  
accacagctc cccatgccga ggctntgcac tctcacagcg ctctctcacc 250  
tctctctgnt gctcctcagt gccatgctgc agctcaaaact tgtagaagaa 300  
ggccacaggca tccccacagg ccgagtcaat cttcacagtg cgggtggaacc 350  
actccttggc cttgggtgac ttccgctgac tccaaaacag cttggccacg 400  
ggcaggagca catgggggtc atgctcacac ttcttcaggc catccacgct 450  
cttggctctc ctctgggggc ttgctctgag gaaga 485

<210> 507

<211> 503  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 47, 63  
<223> unknown base

<400> 507  
accctgtttt ttaagcacac ctcaagcggg goctcgetta ccaatanttg 50  
attaccacaa agnaaaagtg tcaagctcaa gacgtccctcc ttttactggt 100  
tgttaaaactg tectgaaaac tatgatcgac gttccgggaat tagaaggacg 150  
tggggcaatg aaaattatgt tcggtctcag ctgaatgcc aatcaaaaac 200  
tctgttttgc ttaggaactc ctaatccact ggaggagagaa gaactacaaa 250  
gaaactgtgc ttgggaagat caaagggtaca atgatataat tcagcaagac 300  
tttgttgatt ctttctacaa tcttactctg aaattactta tgcagttcag 350  
ttgggcaaat acctattgtc cacatgccaa atttcttatg actgctgatg 400  
atgacatatt tattcacatg ccaaactctga ttgagtacct tcaaagttta 450  
gaataaattg gtgttcaaga cttttggatt ggtcgtgttc atcgtggtgc 500  
cod 503

<210> 503  
<211> 564  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 73, 80, 145, 342  
<223> unknown base

<400> 508  
tcgacccacg ggggtccggtt aagttgatgg tctgccttgt acatctcaac 50  
cattcttgaa ccacttaatc ctntttttgn caacactagt agaacagaat 100  
cctgaagata tggagacctt tacctagatg ttgctgaagc tttnttggat 150  
gttggatgaat ataattctgc acttcccttc ctcagtgttc tttgtttgct 200  
ctgaaagata caaccttgca gtagtttggc ttctcatgc agaattgtta 250  
aaggcccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 300  
tgatctggcc ccactccatt tggatgcaag gatttccact tntacccttc 350  
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 400  
tatgatccag atacttttagc acaggatgca aatgctgcac agcaggaact 450  
gaagttattg cttcatcggt ctactctggt gttttcacaa ggcaaaatgt 500  
atgggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 550

gcaatgaatc gagg 564

<210> 509

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 54, 110, 162, 221, 263, 275, 292

<223> unknown base

<400> 509

acagtaaggc cattcatgct ccaaagaaaa ggagattgag ctttaaana 50

aatttttacc aagttaggcg atccagggtt tgtgggtttt gcaacccttg 100

tggtcattgn gcccttgata ttaattctcg ggggggtcct cgcctaggac 150

agacaaacat tnttgtagaa taacaattctg ctctgtaato gggggcgtttt 200

caqctctctg tgtgaaaggc ntgggcattg ctatcaagga gctggttgca 250

ggaaagcttg tgnctcggca tcccttggtt ggattctgtt gntgagcctc 300

atctctcttg tgagcctaca gattaattac ctaaattaggg cccctggatat 350

attcaaacct tccatttgca ctccaatata ttatgtatto tttacaacat 400

cagttctaac ttgttcagct atctctctta aggagtgga agatatgctt 450

gttgacgatg tcaatggtac tttagagtggc ttctttacaa tcattgtggg 500

gatattcttg ttgcctgctt ttaaa 525

<210> 510

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 46, 79, 104

<223> unknown base

<400> 510

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aaatacactc agacaggaga aatttggant aattttcaaa ctacagacac 100

ttntaatca tgatgcattt caaaagtggc ctccaattaa cttgagttgc 150

aaaaacatgac agtgcccgag gatgataaca ttagcaatga ctccaatgat 200

ttcacccaag tagaaaatgg tcagataaat agcaagttta tttctgctcg 250

tgaaagttag agaagctctc caaacagcca tttggaaaaa aagaagtgtg 300

atgagtatat tccaggacca acctccttag gcattgtctgt ttttaacctt 350

agcaacgcca ttatgggcag tgggattttg ggactcgctt ttgcctggc 400

aaacactgga atctactttt ttctggtact tttgaattca gtgacattgc 450

tgtctatata ttcaataaac ctctattga tctgttcaaa agaaacaggc 500  
 tgcattgtgt atgaaaagct gggggaacaa gtctttggca ccacagggaa 550  
 gttcgtaatc ttggg 565

<210> 511  
 <211> 558  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 83, 114  
 <223> unknown base

<400> 511  
 agtgggcttg aatttcgtga gtttcgcttt aaactgcctt tgaaatgaag 50  
 tggacttggg ggggcatgga atattcacat ggnagagcgg catgaggcgg 100  
 cccaccacgc ttcttgaagg atgcccgtgg gaagaatttt gacgtgccag 150  
 tgtctcgttt ctacaggggtg ttccattctt ccgcaatctc agaaaaatgg 200  
 gactaaaaga aacttatttt gtaaaataag aagaattcca tttttaatga 250  
 ccaacatgta ttaagatgga cactactct acgaaacacg aagttctatg 300  
 gtttcgaaga agcccgtgcc tgttgaaaac tgatcctaac taaaaacaga 350  
 ttggagtgga tatgagaatg ttggttagtg gcagaagagt caaaaaatgg 400  
 aagttaatta tttagttatt tgcacttgt tttttagoga gctcatgtt 450  
 tttttgggaa ccaatcgata atcacattgt gagccatatg aagtcattt 500  
 ttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550  
 ctttaagca 553

<210> 512  
 <211> 544  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 25, 53, 63, 78, 111, 150  
 <223> unknown base

<400> 512  
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 tcntgcaaag gencagtgct ggatgganag gacagtgcct ggggcagtca 100  
 tggagactt nttaggagg tgacttttta aggggttttg tgatcaaaan 150  
 tatggagtct taagtccaac cagtggttat gaattccggt tctgccatt 200  
 gctataatag ctgtatcacc atgagcgata acttaacctc tttgtgcctc 250  
 agttttcttca tatataaaat ggggatcatg atagctctgt ccagggggag 300



ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350  
 gctagcacat acaacacaaat ctataaatgt ttgtatttat tgtatcctt 400  
 tttattagta tatcatggta caagtttgcg gggtagaaag atggcgatgg 450  
 ggaagggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500  
 agggagagtg tggtagtag gataaagctc tgtacagatg caag 544

<210> 513  
 <211> 118  
 <212> DNA  
 <213> Homo Sapien

<400> 513  
 attttaa- ttt cccctttaaa aggaattggc tatagaactg ctttgtaaag 50  
 atggtt- tttg atattttact ttgtttcctt ttccctaatt attccctttt 100  
 ttccccaactc ctccagaa 118

<210> 514  
 <211> 557  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187  
 <223> unknown base

<400> 514  
 tcccggtggg gaattgggat cccagacgtt aaantaggag ccggaaagag 50  
 ggaaggn- ttn ttcttgccct gaagttgcct gngtntttgt accaccccag 100  
 ccccccacc gtggngggac cntcggaagt gacggccca- agtgccacgt 150  
 qntcccagaa cccagagggg aagcatcacg gttcntngtt gacagctccc 200  
 agtccacaaa tcccacgtg tctgttcatt tctaaacaa ggtttcatca 250  
 ccagatttag accacctgc tttctctct tttctgcttc ttccagagat 300  
 ttttttagtg tcttcatttc actgggtacc acttctatca tgtttctggc 350  
 cctttcttta ttctccttag cctcatgttc tgtggtatcc agttctgact 400  
 tgaagacat gagctttttt ccagctttct ccttcatctt ctccagttgg 450  
 tctctg- gatt tgtttagatc tcaatggct ttagtctgtt ccaaagtttt 500  
 aatctt- agt tcattgggtg cggccagttt ggctttgagc tcggtgtgca 550  
 agtctc- g 557

<210> 515  
 <211> 348  
 <212> DNA  
 <213> Homo Sapien

<220>

<201> unsure  
<212> 37, 72, 182  
<213> unknown base

<410> 515  
tcagcctttc tatggaaaca actttgagga tgagcncct ttattaaaaa 50  
acttaggtat caattttgac cncatctggc aaaaaacact aacagtatta 100  
ctctccgttaa aagtagcaga tggcagcacc atgaatgaaa ctgatttggc 150  
aagtcacatg gttttttgcc ttgcttttgg anccacattg ctactggctg 200  
gcaaaaatcca gtttggctat gtatacggga tcagtgcacat tggatgtcta 250  
ggaatgtttt gtttattaaa cttaatgagt atgacaggtg ttccatttgg 300  
ttgtgtggca agtgtccttg gatattgtct tctgcacatg ggggcgcg 348

<210> 515  
<211> 423  
<212> DNA  
<213> Homo Sapien

<410>  
<211> unsure  
<221> 66, 307  
<222> unknown base

<401> 515  
tcacatggag gacatggaga tcacatggag catatctatg actataacct 50  
aaagctgaag ccgtgtgatg gccacgtctt gattantgag ccagcgtga 100  
actccactggc caacccggcaa cagatcacgg aaatgttttt tgagcatctg 150  
ggtgttctctg ccttctatat gccatccag gctgtgctgg ctctctttgc 200  
tgctggcttc actactggcc ttgtgttgaa ttcaggtgct ggggttaccc 250  
agagtggtgc catctttgag ggttactgtc tgctcactgg tgtgcagcaa 300  
ctggatntgg caggccttga cctcaccaac tacctcatgg tgctaatgaa 350  
gaacacatgg atcatgttgc tcagtgtctc agacajaaag attgttgaag 400  
acatcaagga gagcttttgt tatgtggc 428

<210> 517  
<211> 393  
<212> DNA  
<213> Homo Sapien

<410>  
<221> unsure  
<222> 155, 159, 191, 255, 297  
<223> unknown base

<400> 517  
atatgtgaaa tattggcagt cgaacatgaa caacggtcaa gatgttccag 50  
gcacataaga ggcgattaga gaggccaggt ttatacacia tataccattt 100  
tctgtagtcc ctattgtcat ggttaaatta ttctctaaagt gtattctggg 150

tgcacagang catgggctct gtcagtttct gggaaaacttt ntgcacccta 200  
 taaacacaaat attttttcttt gttttcacac attcaccatt ttgctggcac 250  
 cttnttgaag tagtggtgtc ccggtatcag ccttttgaat atgttanaga 300  
 tgtactgtct gcgcattttt gcactgggtt tetcttttca tttatgatta 350  
 ataattgtga taagtatttc ctttttattt tctactgtgt aag 393

<210> 518  
 <211> 245  
 <212> DNA  
 <213> Homo Sapien

<400> 518  
 cccccccac cgatttttca aaaaataatt ttcttaatta agatatgtgt 50  
 atatgtttta acatctttca gaaacataaa attgaatgaa aagagtaatt 100  
 tgcagaaaca catgcaatat aatttattgt gcatttttaa acacacaaaag 150  
 caggactaca tgatgttcat gtgtgcgtgt gtatatatat atatatttaa 200  
 acacacagac aggcggggca tgatggctca cgcctgtaat cccag 245

<210> 518  
 <211> 580  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 45, 54, 66, 128  
 <223> unknown base

<400> 519  
 gacacatggc ccacccgcca aggattgcct agatgataat ttacaagnac 50  
 cactacttta gatttncctt attgatgtta agataccaaa ccaagtaagt 100  
 attaaactca gccaaaacct ggacattntg ggaatatata atcatttgat 150  
 aatgcataag aataggaaaa aattgaatgt gtttatgact aaagttttat 200  
 atttgggtta atgttaaaat gtattattaa atatgttaaa attatttcac 250  
 ttctttcccc ttgagaggt aaagcctaatt acttctcccc ttgaatatgg 300  
 gctagactta tgagcacatt tctaataaac agagaaaagt gatgtggatg 350  
 tgacaatgtg tatgttggaa gactagacaa tatcagagat gaacatgatg 400  
 gtgaaagaaa ataaaagaag aaagctagtt aataaaaagg accattgttt 450  
 cctctcttcc ctctctctcc acctctttta ctctctctcc ctctctctga 500  
 tcaacagctc tagcaaaagc cagatgctat gcggtgcgga ctttcaggca 550  
 gctttgtagg gagatacatg tggcaaggaa ctgac 585

<210> 520  
 <211> 474

<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 68-69, 214  
<223> unknown base

<400> 520  
tgggtttag ccccatccaa ataacagcgg ggaggagcgg agcctgtggt 50  
agcacaacca ttaccccnnt gatgagagaa aacttttato catgaaccag 100  
gatgaactaa aaccatctga tggcctgctg gtgaactgtga aaggcaaccc 150  
cgtggattac cacaccatcc acccaagcct gcccatggag aaaggccctg 200  
gcaaacccga ccttactcc acccctcagt accggtggga gccctctgat 250  
gaatccccag aaaagcgaga ggagggaagag gaagagaaag aagaatttga 300  
agaagaaagg agccgtgagg aaaaaagaag tatcaaatgt catgccatgg 350  
cttcggtatt ccaatttatt atgaaacaaa gttacatctg tgcctccta 400  
gttatgatgg ccctggagcat cactatccac agctggctga ccttcgtgct 450  
gttgatctgg tcgtgcactc ttgt 474

<210> 521  
<211> 626  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 63, 116, 126, 148, 190, 193, 213, 222, 262  
<223> unknown base

<400> 521  
gaattttttc gaaaaactaa tgcctcattt tggatgcat ttacattcca 50  
ccctttaata tctggggggca ttttgggac aaattatcct gatgttttc 100  
aacaaaagact tgaganaaaa taaggngcat taattttttt ggacattntt 150  
cctttagacc tattgtgagg tgtttgccc ccattagaaa ttncccaaaa 200  
tggttgaaaa tnttaaaaca gnagaaggaa gagactcaaa gttagcatca 250  
caaagagaaa cncgatgctg gaaagggaga ttgcatttc aatccgggat 300  
aatttcatgc agcagaaggc tttcaagtac atgtcagtga ttcaggcttt 350  
cttcggttct gtccacaat taattttgga gatgtatata agtctcacta 400  
tacgagaatg gcccttgaat agagcattgc tgatgacatt ttcctgttta 450  
tcagttaact atggggccat tcgtgcaat ataactggga tcagatcag 500  
caatgatgat actaccatta agctaccgc gatagaatto ttctgtgtcg 550  
tgatgtggcg ttttttggag gttatctac gtgtagtga cctggcattg 600

ttcattgcat ctctgaaact gaagag 626

<210> 523  
<211> 588  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 41, 43, 100, 103, 116, 142, 216-217, 227, 233  
<223> unknown base

<400> 511  
aaaagtgttg acaaatcaca agaaagtctc aaaaatttgg gnntattagt 50  
tggaaaaatt gtcttcagtt cacttgatgac ttcttggtta attcaactgc 100  
ganaggatc ttttanactt tocaaggatc ttaaagctat ontacctagg 150  
aacgagaatt atgggtgttc atgacaactt tgaataagta ttccttaaag 200  
ctaaagagaa attctnncaa taatgantcg ggncattgct attttgggaa 250  
agttaaaagcg gaaaaagctt gacgacactg aaaggcttgg tgagatggaa 300  
caagtctctt ctctcaattaa caagatgaga aagacaatag gtgggtgtggc 350  
tctctgagga cagcaaatct ggcgaattgc aagggttcgc ttgttaaagt 400  
taaaagcaga aagaaaaagct cttttagcac tgcattaat tataatggct 450  
ggattttgac ctctctctgt ggagtatacc atgggtgaaaa tatatcaaaa 500  
cagttatacc tgggaaactt ctctcattt gtatttctt gctcctggac 550  
aacaacaca tgacc 566

<210> 523  
<211> 503  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25, 67  
<223> unknown base

<400> 523  
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acctttggac attctgngaa tatataaact atttgataat gcataagata 100  
ggaaaaattg aaatgtgttt atgactaaag ttttatattt gtggtaattg 150  
taaaatgat tattaaatat gttaaaatta ttctattttt tcccccttg 200  
agaggtaaag cctaatactt ctcctcttga atatgggcta gacttatgag 250  
cacattctta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300  
ttggaagact agacaatata agagatgaac atgatggtga aagaaaataa 350  
aagaagaaag ctagttaata aaaggcacca ttgtttctct ctcttctctc 400

tcttccacct cttaaactct ctctccctct ctctgatcaa cagctctagc 450  
 aaaagccagc tgctatgcgg tgcggacttt caggcagctt tgcagggaga 500  
 tac 503

<210> 514  
 <211> 447  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 38, 43, 96, 344, 418  
 <223> unknown base

<400> 514  
 gagggtagga tccgcaagcc cctttcgcca agcccagagc agncccgggc 50  
 gaggagcagg cagagaatat gttattccca tcttttgccc cacaanattt 100  
 atggcagaga tggtaggattt ctttattctc ttctttataa aagcaaccat 150  
 tgtcttaagc attatgcacc tcagtgggat aaaggatata tataagtttg 200  
 ctatgcatta tataatagaa gaaatagatg aagacacata aatggaagac 250  
 ttgcagaaaa tgatggttgt ggcacttata tacagattat tagtttggtt 300  
 ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350  
 tcttgctggg gcttcagatt gtgacatgtg atacatcagt gcttattgca 400  
 ccaagtggg ttttagtnat tcttccctca aatgttagca ttacaac 447

<210> 515  
 <211> 519  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 105  
 <223> unknown base

<400> 525  
 caagataaaa tatatggggg aagatgtaga aatgtgacag tttggcaaaa 50  
 acaaagttct cccaagattt cagcacgttt gcagcggaaa ttcaggaaac 100  
 catcncagca ctccagagagc agataaacia gctggaggca cgcttgaggc 150  
 aggcaggggtg tacagatgtt agaggggttc caaggaaggc cgaggagcgc 200  
 tggatgaaag aagactgcac tcaactgcatt tgtgagagtg gccaggtcac 250  
 ctgtgtgggtg gagatttgtc ccccggctcc ctgtcccagt cctgaattgg 300  
 tgaaaggaac ctgctgtcca gtttcagag accgaggaat gccaaagtgat 350  
 tccccagaga agcgctaata aaagttttgt gctgttgagc cccaaatggg 400  
 aaattttctc ggaagagaca tttaggactt cagaactttt aacttgtagt 450

cacattgttg atatggaaac cactgactta agcaacttag ttcactaat 500

cttacatata cttacgatct tttatTTTTT cattttcta 539

<210> 526

<211> 456

<212> DNA

<213> Homo Sapien

<210>

<211> unsure

<212> 21, 109

<213> unknown base

<400> 518

gaaagtgaaga gaaagtttat ntttttcata taatttaagg gtogttttctg 50

tgaaccaa tg cttcatgtct ttttcacttt tttcaattgt ctcattttcc 100

ttaaaaana ggcactgttt atgtattaca gagattagga ctttgtcatt 150

agttttttcc tgtgaacgag atcacataga ttatttgttt cttttctggc 200

tttfgaaatt cagccatcat tttaaaaaat acttccccat ggtttttgto 250

cagttctttt gtaactttct gtctccatt tcaatattgg atgtttgget 300

tttgttcttt tgcgtgtttg gtatgcgata tggatcccc ttagtctttt 350

ttgttagaat caatataatt atttttatac tgtccttcag attgatgatg 400

atttccagag ttctggggc tttaatgcct gttgcgttta cagaactctca 450

ttctggg 456

<210> 517

<211> 500

<212> DNA

<213> Homo Sapien

<400> 527

cttctgttctt cttccctctc ctaaatttga agaactatgg agaaaatggg 50

acttgatgac agtagtggtt ttaataggac taacagtacg atggcagtggt 100

ctcttaattc ttattcaggt gctggtaacc cgcctatggt tggtgattat 150

gaaactctaga gacactggca agaaataact ttaattttac cgggtcaaaca 200

atggtatctt aacagcagtg ataacaattt acagtattgg ggattggatt 250

cttccactct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300

tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350

ttatggcaat aagctcttca tgcgtacaac agttttaatt gctgatctgc 400

tgattttcat acctgcagtg gttttgtact gttgttgctt aaaagaaaac 450

ttactaaga aaaagattgc taatgcatta tgcactcttg tgtatccagg 500

<210> 523

<211> 512

<212> DNA

<213> Homo Sapien

<400> 528

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ccagaatgaa aaaaaaaagt cttgttggat aatagtgttt gactagcgtt 50
ctaagaactt gagagtaaaa gcaccaataa gattttttca ctttttctg 100
cttcaccccc caaactgaga acatccactc aattgtttgg aagaaactgt 150
aggtctatat aaattttatt tataatgtat gtgtaataa cataatcata 200
ataagttct cagatgcagg gaagaagttt ggcatttaat cattgaggt 250
ctagggtttt gatgtgatca gactgggcca tgtcaaaccc ggaattttca 300
ccaacagttc actcaccctc ctggtagatt gccattccaa ggaattctga 350
gagtaggcaa acaaattttg ctttcattgt acagttctca gtttttctta 400
taaggagaaat atggtatatg ttataagaa tcttttatga gattatagat 450
ttcaatgctg tggatagtgt cttgcaccca aacaagaaag ccataatgg 500
aatgatcttc cc 512
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<210> 529

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 82, 196

<223> unknown base

<400> 529

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tcgaagtcct tgaacatctt tggttttttt ggagtgtcca aacccatgtt 50
tagaaagggc acatggaata ctcattgtaat gnaggaaaag tctatatctg 100
cagctgagcc cagccatacc aggagtgatt ttggaaatcc ataccggtt 150
gggatttgat cgatttggaa cttggcttca aacaaaactca catttntgaa 200
ctcgtataaa atgaagatgt cggatgacct ggggaattgtc cagatggttt 250
ttgtgtgcat cctcagcctt ttcaatcaca tatacttcag aagaactctc 300
aacatcattc tgcaatttat cctgagatg atttttatcc tgtgtctggt 350
tggataacct gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400
acgtatctca gcacgcccc agcatcctca tccattcat caacatgttt 450
ctgtttaact acagtgactc ttccaacgc 479
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<210> 530

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 68, 72, 83, 149



<223> unknown base

<400> 530

gccttttagtt tccagctact tgggaagggtta aggtaaaagg atcccttttg 50  
gcccgnaggt tgaggetnca gnagttgaga tencaccatt gcattccatt 100  
ttgggtgaca caagcgagag ctatctcaaa accaaaaagg aagccaaanc 150  
ccaccagac caaaaagggtg acttccaggg ctgccccagg taggaacact 200  
ccagaaagca gacaaggaaa accgagtgtg aagagtcctt ttggagattg 250  
tcattggccat gtgacattcc tttggcctga actcagtcac atgtccctt 300  
cgagatgag gggggacctg ggaaatgtag tttctggctg ggcagctgt 350  
tcacagcaat agcactctac tgcagaagag gaggaggagt ctgtggtgca 400  
aagtcagca ggcctgcac agatactgca ccatttaca aaatgctttt 450  
acattcattt catttgcctt tcattcacaat ctataccatc agctatactg 500  
tcattcatttt tca 513

<210> 531

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 53, 454, 461, 482

<223> unknown base

<400> 531

gaatggagga aattgctttc acttcaagac tttctttttt tcaactaaaac 50  
tcttaaaagg gtacaagggg aggggaaggg ggcaaagtcc ttgaacattt 100  
cttttggctc ggccatgtta tgatcatata cctttttaa ataggggaaat 150  
agtatcttta aagttaatgt ctagccaaga gtttagtaaa cgaagaatta 200  
caatgcactg ttgatgggtg ctttgtgtaa atacatcttt aacatttggg 250  
tggagagggg ccttaagaag gacagttcat tgtaggaaag caattctgta 300  
ctagagttta agcattcttg ttgcattgtc tctgcagatt ctatttttgt 350  
ttataatatt aaaatgtatg ttagcaaaat ggggtggatt tcaaataaaa 400  
tggagcttcc acaaaagttt tgttatggta ttctggctct agatgcattt 450  
tcanttttcc nttctttttt tattatcaat antgtcattt ttcctaata 500  
aaatatadcc agg 513

<210> 532

<211> 494

<212> DNA

<213> Homo Sapien

<220>

<211> unsure  
<212> 35  
<213> unknown base

<400> 532  
gttggtccctga gcagttgcag aagcatcgag ggtgnagagg agcacatact 50  
gtccatggag tgggtggtaa ggtggacagg gggcgggtgg tgatggcgca 100  
gttggacatt gaataccagc gcttagaggc ctctatatgt gattoacccc 150  
caggggagga ggaacctgtg gtgcaagtcg ccgaggggag caagtcacct 200  
tggaccata ttgaaaacct tgacctcttc ttctctcgag ttataaatct 250  
gcacagaag aatggcttca catgtatgct catcggggag atctttgagc 300  
tcacgcagtt cctctttgtg gttgccttca ctacttctct ggtaagctgc 350  
gtggactatg acatcttatt tgcacaacag atggtgaacc acagtcttca 400  
ccttactgaa cccgtcaagg tcactctgac agaagccttt ttgcctgctc 450  
aagtcctgtag tgcacaggatt caggaaaatg gctc 484

<210> 533  
<211> 558  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 93  
<223> unknown base

<400> 533  
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atcttgtgccc aaacactcca gttttgcaat gagattgtga ggaaggagaa 150  
ggcagaggatt ctgttccaat gtttggctcc agaggacctt gaatagtact 200  
ttgacggggt aagtgcttaa taaaataatg cttactctta tgaatttagc 250  
tgcagaaaca tttagtccca tagacaatat gtgtagaatg taaaaaatgc 300  
aaatcttact aaaagaatat acaggaaaag ttctccctac tcttctctga 350  
aaggagagcca gtgttattag ctctgtcatg agattgtctg tgctcatgca 400  
agcatctccc tgcattgatg tctcttggct ttcttgcaaa gaatagcatc 450  
ctacacacac cttttagccc ctgcttttcc ggttttgtgt attttgcaga 500  
ttgggtcatt ttgtgcacac agtgctatct tattcttttt tttgtttgtt 550  
cccccctg 558

<210> 534  
<211> 462  
<212> DNA  
<213> Homo Sapien

<220>  
 <221> unsure  
 <222> 55, 91, 156, 193, 215, 281, 395, 399, 444  
 <223> unknown base

<400> 534  
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 utt ttgttt cattatgtgt ctcataattt ttgggtgaaa gctaaagcct 150  
 ttctgngaag gctagtggag acttgggttaa acactattta tgnngcaaaaa 200  
 tggacatgac ttttntttta ggaggaggca ttgagacaaac totgtcaggt 250  
 ttctgtgtta gtatgggtac tctcaaaaag nacataattc aaattcttcc 300  
 agtattattt ttttgcttag tgggtgggtt gttggagagt tttctcagt 350  
 gctgttcaa atcacagtta ttggtctttt ctttgtgctt acgtntaana 400  
 gaggatattt tctgtgctt ttaccctcac tcttcacaga gtanaactgt 450  
 gttacttggt cc 462

<220> 535  
 <221> 511  
 <222> DNA  
 <223> Homo Sapien

<220>  
 <221> unsure  
 <222> 94, 110, 156  
 <223> unknown base

<400> 535  
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 ctttgctttn tgcctgctgc cattctttac agaaagggac caaccctgc 150  
 aggtntaaag aagactcttc ccggttgatc gtggattatt tgaggataaa 200  
 qteqccaata tttggtgcag cttcaatgtc tttctgaaga ttaaggatat 250  
 tttgccaagt cacatccaat taataatgag cttttgtttt acgtttttga 300  
 gcttgcttcc tgcctgcata aaattaatac ttcagccctc ttccaaagga 350  
 ttrcaattta caactggtag ctgtgcgcta tcattctttt tattttcttt 400  
 ccangtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450  
 tttaagtga aattctttt atgtctactt gggttttact tgtgtcaaca 500  
 tttagtatgc t 511

<220> 536  
 <221> 511  
 <222> DNA  
 <223> Homo Sapien

<400> 536  
 ggtttgtttc cccatctgcc atattataag ttttttgagg catccccage 50  
 catgctgaac tggaaagtggc actaagggtcc aaaggaagct acatatgggt 100  
 ggttcctgtt acaccagcct cccaagcttc ccagtgcacc ttctaggaga 150  
 caagcaagga aggcgcctgc ttgtttgtca tctgtctcat ggcggtgtac 200  
 tgggtgcacgg aggccttgcc gctctcagtg aaggcgctgc tgcacctcgt 250  
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 gccattgagg agtggaacct gcaccgggga atcgccctca agatctgat 400  
 gctgtgtgga gtccagccgg ccaggctcat cctgggggatg atggtgacca 450  
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 cctccattg c 511

<210> 537  
 <211> 441  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 51, 70, 105, 134  
 <223> unknown base

<400> 537  
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 ngagggggcaa aaaaaaatan atttgaacac ccagatttta gttttggctc 100  
 tcttntttga gctagttaca tggcatccag gacnaaagtt tggaaaacaa 150  
 tctaatggaa ctaaatagta ctaaccaaag tatagggtgc tttatgattt 200  
 atagaactct cttacaggca gtatgttgtt caggcgccac tagaaccac 250  
 gtaattggcag aggttctctg ttccatgttt aaaaaccttt ccaaggcttt 300  
 tttatttttt cttatctgtg gtacccttag ctctctgtgc tctagacaca 350  
 ctggcctaac ttcaacttcc ttgaaccagt tagcttacag tgtaagctta 400  
 cctccacccc ccacctctct caataaaata gtagcatcgg c 441

<210> 538  
 <211> 497  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 56, 76, 126, 175  
 <223> unknown base

<400> 538

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 pagtaatttt taaaagatat cagatncatt ttgtattca aagaaaatta 150  
 tgatttaaag ccacttttta aaatncgaga aggaaaatag gatggattaa 200  
 aggggttaact tttaaagatt attattgggtt aatgttgaca tatttctct 250  
 atctcataga tggtaaaagt gttgctttta aaaactggca aatgcactct 300  
 tccagaaatcc ttttctatct gatccacatg gagagggttaa aggttcaatt 350  
 tcatgacctc tatgcaggca gcgctctcat tggatgtaag aatattacct 400  
 gcaaggatag aatgcagttg tgcaacagag acacattctt atttcacttt 450  
 tttcacaatt ttgttttggt tttaatgacc cttttattga atattgg 497

<210> 539

<211> 362

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42, 106, 132, 134, 184, 199, 208, 240, 250, 253, 256, 268, 307,  
313, 355

<223> unknown base

<400> 539

aaagggtccg gtccccggcc gaaaccactt ttgatcttcc cntctttggg 50  
 ttcaaaaaat gtacagggtt tccagggcag ccttgggatt gggccacttc 100  
 ttcttngatc ctggttcttc ccgttgtctt tnanacggag aagttgcaaa 150  
 tggagcaaca gcagcaattg cagcagcggc aganaactttt aggcctaana 200  
 cagugctntc aggaggaatg ccagggggctt taccctcacn tcttggaaan 250  
 atntanattg ttattgcngt ttgagctgtc tcagtgggat aagtttgaaa 300  
 tttcaagngtt tgaactgntg aaaattggaa tttttttttt aactttggca 350  
 gcaanggggt cg 362

<210> 540

<211> 441

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 43, 44, 47, 67, 341

<223> unknown base

<400> 540

gggttgcttt gggggtgttt ttggaatatt ttgtgactgc gntctntag 50  
 ggtaactggc attttgntta gctataaatt ataaacagat ggaactttac 100  
 cagccttggc cttttttttg ctttttactt ggcaagtgtt ttaaaaaagg 150

cctcaaaagga aagggggtttg tgttgctagt taagctagct tgtattgttg 200  
 tggtttcctt cgtttctctgc tggtgcocat tctttaacaga aaggggaacaa 250  
 accctgcagg ttctaagaag actcttcccg gttgatcttg gattatttga 300  
 ggataaaagta gccaatatct ggtgcagctt caatgtcttt ntgaagatta 350  
 aagatatttt gccacgtcac atccaattaa taatgagctt ttgttttaacg 400  
 tttttgagcc tggttctctgc atgcataaaa ttaatacttc a 441

<210> 541  
 <211> 180  
 <212> DNA  
 <213> Homo Sapien

<210>  
 <211> unsure  
 <212> 45, 53, 55, 95  
 <213> unknown base

<400> 541  
 ccttccactt atgtgggtccc acaccacccg cctccctgc caggntttat 50  
 ttngngtctg tctgagcttg ttctgttttg tgtttgttt ttgntgttg 100  
 ttttcagctg ttgggtcttc tttcttttc cccctccggg cccatacttc 150  
 aatccactct ggtgggggaa gaagcagaag 180

<210> 542  
 <211> 318  
 <212> DNA  
 <213> Homo Sapien

<210>  
 <211> unsure  
 <212> 57  
 <213> unknown base

<400> 542  
 tctagtctgc ctaagtagaa ttacatggg aatgcactct attctggata 50  
 ttaattgttg attctatat accattttta tcttagctgt cttctatcca 100  
 ttctgtggac tgattgacaa cttcaaccaa actcacaaat atgctccatt 150  
 catctatcgc ggggttcatt tagctttggg gatcttttct ttcactcttg 200  
 aacactggag cacatccga ggagacacag ccgagatact aggaagtggg 250  
 gtttgaattg catgtggatc tcatgttact tataacatgg gtctagtatt 300  
 agatccttct ctagatac 318

<210> 543  
 <211> 396  
 <212> DNA  
 <213> Homo Sapien

<400> 543  
 agaaccccc ggtgaagttt tccgccata acctaaaggg gctttttcca 50

ggacttcaac cagagtaa at tectcatcta tgcctgtctg ctgcttggtt 100  
 tctgtgctgc tggcccttcg ttgggatggc atcatacagt ggagttactg 150  
 ggctgtcttt gctccaatat ggctgtggaa gttaatggtc attgttggag 200  
 cctcagttgg aactggagtc tgggcaagaa atctcaata tcgagcagaa 250  
 ggagaaaagt gtgtggagtt taaagccatg ttgattgcag tgggcatcca 300  
 cttgctcttg ttgatgtttg aagttctggt ctgtgacaga atcgagagag 350  
 gaagccattt ctggtcctg gtcttcatgc cgtgttctt tgttcc 396

<210> 544  
 <211> 351  
 <212> DNA  
 <213> Homo Sapien

<400> 544  
 ttaattgtcta agccaagagt ttagtaaaca aagaattaaa ctgcactggt 50  
 gatcgggtgct ttgtgtaaat acatctttaa catttggttg gagagggggc 100  
 ttaagaagga cagthcattg taggaaagca attctgtaca tgagttaaag 150  
 catcttggtt gcattgtctc tgcagattct atttttgttt acaatattaa 200  
 aatgtatggt agcaaaatgg gtggattttc aaataaaaat cagcttccac 250  
 aaaaagtctg ttatgggtatt ctggctctgag atgcattttc atttttcctt 300  
 ccttttttta ttatcaatat tgcattttt ccctaataaa atatacccag 350  
 g 391

<210> 545  
 <211> 398  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 298, 323  
 <223> unknown base

<400> 545  
 agtttcatat atttgggaat gagccttgag ccataaaaagg ttttcagcaa 50  
 gttgtaactt attttggcct aaaaatgagg tttttttgga aagaaaaaat 100  
 atttgtctct atgtattgaa gaagtgaact ttatataatg attttttaaa 150  
 tggccaaagg actagtttga aagcttcttt taaaaagaat tcttctaata 200  
 tgattttatg tgagaaggga taatacatga tcaaataaac tcagtttttt 250  
 atggttactg taaaaaagac tgtgtaaggc agctcagcac catgcttntc 300  
 gtaaaagcag cttcaattat ccnctggggt tatcttttga caacttgcca 350  
 ttatctgatg ttacacaatt caatagcaag caagtttgag acaatcgc 393

<210> 546  
<211> 374  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 47, 99, 102, 129  
<223> unknown base

<400> 546  
cataaatata cccaccccaa atggacgact tatgaaggaa ttncctgtga 50  
aagctccttg gagtaaaatt tctctcctaa caatactttt aggtcatang 100  
cttgagctta ttaattatct ttctgttana ccttgccaaa aaagaatttt 150  
aaaagttagt ttaagttttg tgtaaccatg ttcttcagaa tgcaggtagt 200  
tgagcatcat ggtttctggg taattctgct gctcctgtct ttgaaaatgg 250  
agatadact tgcagcttat cccactgctg agtattccag cattggtagt 300  
ggtttccttc catgcatcc atccagaact ttccacacagg cctccccoga 350  
accccttgcg gcgtaagggg ttcg 374

<210> 547  
<211> 251  
<212> DNA  
<213> Homo Sapien

<400> 547  
aaaaaaaaa aatbaagtga acctctactt tagaatgttg gcttttcata 50  
tatgtatata acaaaagagg ttgcagtcat ggcgtggata aaggcacctg 100  
tgactcttcc caactatcc aatttcaaga tgtatccttt gtggattaca 150  
ttgcttcttt tctatggaat catgcacctt agacctggga gaaaccagcg 200  
tgatattccag ggttaaggtt ttccaatcag gtattttggg caaggggttc 250  
g 251

<210> 548  
<211> 331  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 77  
<223> unknown base

<400> 548  
aaaaaaaaa aaaaaaagc taaaaacct tgactaaatc tcccatgttt 50  
tctcatatta ttaaaaattc taaacngggg tttttttgtt ttgttttgtt 100  
ttctgttttc tccctctgca gagttgttag cggttctcga gatgccactc 150  
ttagggtttg ggatattgag acaggccagt gtttacatgt ttgatgggt 200



catgttgacag cagtcgcctg tgttcaatat gatggcagga gggttgttag 250  
 tggagcatat gattttatgg taaagggtgtg ggatccagag actgaaacct 300  
 gtctacacac gttgcagggg catgcggcgc c 331

<210> 549  
 <211> 228  
 <212> DNA  
 <213> Homo Sapien

<400> 549  
 aaattatctt tactgatatg cgttgccaaa tcccatgaga aaagacatct 50  
 catgtgaggt tcccttctct ctcatgtggt tgattttttg gaagggtgata 100  
 cagatgtggg taaocatgca aatgtttatg aataacttta ctgaagtgat 150  
 tccatccgta ttctgttcta atacttgagg aatgaacctt atatttatat 200  
 attttatttc tttgtttcaa ctatccag 228

<210> 550  
 <211> 461  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 21  
 <223> unknown base

<400> 550  
 tgaagatatg ggagacctat ncttagatgt tgetgaagct tttctgatgt 50  
 tgggaatata attctgcact tccctctctc agggctcttg tttgctctga 100  
 aagatacaac cttgcagtag ttttggcttc gtcatgcaga atgtttaaag 150  
 gtcttaggct atatggagcg agctgctgaa agctatggca aggtgggtga 200  
 tctggcccca ctccatttgg atgcaaggat ttcactttct acccttcagc 250  
 agtagctggg ccagcctgag aaagctctgg aagctctgga accaatgtat 300  
 gatccagata ctttagcaca ggatgcaaat gctgcacagc aggaactgaa 350  
 gttattgctt catcgttcta ctctgttgtt ttcacaaggc aaaatgtatg 400  
 gttatgtgga taccttactt actatgttag ccattgtttt aaaggtagca 450  
 atgaatcgag c 461

<210> 551  
 <211> 205  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 23, 41, 66  
 <223> unknown base

<400> 551

tggaccccag ttgtcagctg ggnnggtactg gatcatcttt nttctatcac 50  
 aagataaaact atcaanttcc ccagcatcat gaacttggtg ccgtaaaaag 100  
 gaggtaacta ctctctgttca ctttgagctc ctccaaatgg attctgtgtc 150  
 ctctcttgga gtctgtgtctg cattttattgc ttctgaactc tccactaage 200  
 cagag 205

<210> 552  
 <211> 331  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 39, 55, 56, 81, 90, 162, 164, 166, 170, 206, 245  
 <223> unknown base

<400> 552  
 cttaagggga agaagaaaaa gaaaggattg gtcttgcctt aaggggtaga 50  
 aaagngcaag gggaancagg aaaggaaggc nccctacggn gtaattatga 100  
 aaatgcattg gaactctctg ctgatgtttt gctttttttt tcattctca 150  
 aaatattctc anananggtc ttaactcttc ttccaccatt tgccttagtt 200  
 ttaagtgccc tgggtgatag aagggttcac gttgtaaaat cagtnttgaa 250  
 taaacagaac actcttacca gattgtctaa tgttgatttg tttctggcac 300  
 tgcctctaaa tgccttcttc ctcatctctg g 331

<210> 553  
 <211> 370  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 60, 64, 74, 101, 117, 142, 188, 290  
 <223> unknown base

<400> 553  
 taaaagaaaa gctaaagttt tactgtggcc aaaaaacccc tacatggtct 50  
 ggggaactggn ggtntctttg acctatctt tgaccacttt tcttttttca 100  
 nttctctcaa ggcacacctg gctctctttt tgttcttgge antgggaaga 150  
 cctgttccca ctccagggtc ttcattgttg ttcttctctc tgccttgaa 200  
 accacacctt ctcccaagtg ttccaggcag atggagtatg cacatggctc 250  
 actcttttac ttttaagtc tctgctcaaa agcaaattn tcagccatgg 300  
 ctttcttgag cactctattt aaaattgctt tctactctt acatggctgt 350  
 tctcttttgc ttaccaccac 370

<210> 554  
 <211> 310

<212> DNA  
<112> Homo Sapien

<400> 554  
tttaaaatagt aaaaaaaaaa gaattttattt ttgtttctttg ttagaatttc 50  
ctgtgcacaga atgtccaaaa attcatattc acattgatcg tatggcaaaa 100  
agatgttcca gaagaacaag aacatatgag aagatggctg catgaacgtt 150  
tcgaattcaa agataagatg cttatagaat tttatgagtc accagatcca 200  
caagagaaggaa aaagatttcc tgggaaaagt gtttaattcca aattaagtat 250  
caagaaagact ttaccatcaa tgttgatctt aagtggtttg actgcaggca 300  
tgattatgac 310

<110> 555  
<112> 281  
<112> DNA  
<112> Homo Sapien

<120>  
<212> unsure  
<112> 30, 39, 62, 79, 109, 129  
<112> unknown base

<400> 555  
ctttattttc cattccaaat ggcagccagn ataaaattna tttcccacaa 50  
tttcccttta anggtaagggt ttgcccttnc cgcaatgcc ctcacatggt 100  
ctttttggnc agttcggaag cccttgggnt cttgatggct ttgtgtctag 150  
taataatgca ggggtgtcaa ggaaataaat tcagtgtgga tatactgaaa 200  
ad 102

<110> 556  
<112> 556  
<112> DNA  
<112> Homo Sapien

<120>  
<212> unsure  
<222> 159  
<222> unknown base

<400> 556  
ggttcgggat aagccattag caatccttgc tgtatccagg ccttattttt 50  
tatagacrat ggacattttc aatataattc tgtgagctct ggcttttgett 100  
tgtggggrrgt tcttggaata tcttgtgact ggcacctcct agggtcactg 150  
gcattttqnt tagctataaa ttataaacag atggaaacttt accacgcctt 200  
gccatttttt tgcctttttac ttggcaagtg ttttaaaaaa ggccctcaaag 250  
gaaagggggtt tgtgttgcta gttaagctag cttgtattgt tgtggcttcc 300  
ttcgtttctct gctggctgcc attctttaca gaaaggggaa aaacctgca 350

ggtttetaaga agactcttcc cggttgatcg tggattatTT gaggataaag 400  
tagccaatat ttggtgcagc ttcaatgtct ttttgaagat taaggatatt 450  
ttggcacgct acatccaatt aataatgagc ttttgTTTTa cgtttttgag 500  
cctgcttccT gcctgcataa aattaatact tcagcc 536

<210> 557  
<211> 488  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 68, 118  
<223> unknown base

<400> 557  
aaatctctctt gagctctgtt ttgagatgta gttgagttaa cttataaaac 50  
gtttcattct ttcgggtntt gtttttatga tttattagac agatatgaag 100  
gagtgcttag tccagganta attattcttc accactgagg caagactttc 150  
tgttgactct gttgaatgtt ccatgaatta atagttttcc cagtttgget 200  
agtgaggaca gatactatct ctggctttgt atgagtatca ggccctgttc 250  
ccttccattg tctctgatgt tctttttctg gattctcata gtttctcat 300  
atgcatatgc tgatcagtta tctgggtgaat gcttgagaga agatctctat 350  
agactctggg ggtcttttct tatgcaactg tctctctctca gcattctgtg 400  
cagttattcc ttgtctctt tttctctctt ggctcttaac tttctcttct 450  
taattcagga gtcagctgag atttgcttca gttgcac 488

<210> 553  
<211> 728  
<212> DNA  
<213> Homo Sapien

<220>  
<221> unsure  
<222> 25, 40, 59, 97, 103, 117, 141, 155, 153, 169, 192, 215, 266, 482,  
484, 558  
<223> unknown base

<400> 553  
ttgcccctgg gagttaaact tgaatnatTT taaaaaaacn acggttttaa 50  
accttggcna ccgttgggtt gaggccttga ccacttttg gacaccttgc 100  
aagaggantc caaccnaaa caacaaccag gatgtgctcc nagcccagcc 150  
cggggnttca gtnccatant ttgccatgtg tctgtccaga tntgggggtt 200  
agcgggggggt ggggntgcaa ccagtggtat tgggtccacc ggcagaacta 250  
gggaagggtga ggcgangtgg ggagttggca gaatcccat acctcgcaga 300  
tttctgagt ctgtcttctg cagagggcca gagaatggct tatggggggc 350

caggttggat ggggaaaggg taatgggggtc agaccccacc ccgtctaccc 400  
 ctccagtcag ccacagggccc atcctggagc tcagctggga goacattct 450  
 ccctctttgt acataggggtg tggtcctctg gnangtggcc accatcatgt 500  
 ctaggcctat gctaggaggg aaatgggcag gctctgctg tgtttttctc 550  
 aacactantt ttctgatatg agggcagcac ctgctctga atgggaaatc 600  
 atgcaactac tcagaatgtg tctctctcat ctaatgctca tctgtttaat 650  
 ggtgatgctt ccggtacagg atctgggtac ctgtgcagtt gtgaataccc 700  
 agaggttggg cagatcagtg tctctagt 728

<210> 559

<211> 536

<212> DNA

<213> Homo Sapien

<214>

<215> unsure

<216> 34, 58, 70, 113, 119, 150, 291, 312

<217> unknown base

<400> 559

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 ccttagccat gcttcagtna catgtgtgtg cagagagaaa tgcacctgtn 150  
 tctttaaggg tagatttttg atcctgaat aattcattga ctaaaactgac 200  
 ctctctctcc tggctaaata aattaatttt gctggcttct ctctcagggg 250  
 tctctatttt gtaaattgct gcatgaccaa aatagcccca ntcaaaatca 300  
 atttgattaa tnttaatggg ttgggttggat gaatattctt ggatgaatat 350  
 aaatgtgctt gcccttcaca gatgacacca ctccctgtc aatcatagca 400  
 catgtgtact ttttattgtt acttaatagt gatggatttg cactttctca 450  
 tcttcatact ctttctgttt ttctcttttg tacaattgca tgcaggaggg 500  
 ctggatgcca gggttaagag agaaattcat gacaaggaag gtaaaattgg 550  
 tcttaattgag catgtgtccc acagccttag tctccc 586

<210> 560

<211> 648

<212> DNA

<213> Homo Sapien

<214>

<215> unsure

<216> 71, 102, 113, 149, 157

<217> unknown base

<400> 560

ccgggaaatt aagccctttt tttttttcca aataataaaa gcttcgaaat 50

tgaaagggag aagtaaatat nccggatacc atgatttaat atgtagaaat 100  
 tntaagagat tcncaaacca ttaaagataa aagccagttc accaaagtna 150  
 aggatgnnag atcagtgtag ataaatctgt tttatttcca tataacttga 200  
 aagagggaac ccaaaactga gattgaggaa agcatatata atagcatcaa 250  
 aaagtagtac aaaacatata ctctgaaaaa tgcagaatgt tgagagaaat 300  
 taaataaata aatagataat cccatgttca tctagccaga ggaactatgt 350  
 attttgggta ttaacccctg atcagatgta tgggttgcaa atattttctc 400  
 ccatttcata cattgggtct tcattctgtt gattgttctc ttctgtaca 450  
 qaagtcttca agtttcatat ataattttag tggctatatt ttgcttctgt 500  
 tccctatgct gtccggggta tatctaaaaa aggtcatctg gcagacaaac 550  
 ggcattggaga tttccctgtt gtttcacgta gttttacagt ttggggctct 600  
 acatataagt ttgttttctt tttttcagaa tggaaatctg ctctgggg 648

<210> 561  
 <211> 322  
 <212> DNA  
 <213> Homo Sapien

<400> 561  
 AAAAAAAAAA aaaaaagggc ggccggcgact ctagagtcca cctgcagggt 50  
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 ttaacccatt aggtcacaca tgggtctgaa agtccatatc tgtcttggat 150  
 ttttaggcac agaactccgg gctgctcagg aagagactat gattcttcca 200  
 cctgcacgct actattggcc atcccttctc attgcttcta gctccagcct 250  
 tttttatcca attctctatt ctacattgtt attctcaacc cattgtgtgc 300  
 tgggaaatca aaccactcag ca 322

<210> 562  
 <211> 275  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> unsure  
 <222> 13, 206, 237  
 <223> unknown base

<400> 562  
 cccacggctc cgttggtggc ttcagaagaa attctcaaca cctagctcgc 50  
 cagagagtct atgtatggga ttgaacaatc tgtaaaactaa aggatcctaa 100  
 tcatgaaaat aagtatgata aattataagt cactattggc actgttggtt 150  
 atattagcct cctggatcat ttttacagtt ttccagaact ccacaaaggt 200

ttggtntgct ctaaacttat ccattctcct ccattantgg aacaactcca 250

caaagtcctt attccctaaa acacc 275

<210> 563

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide probe

<400> 563

tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<210> 564

<211> 41

<212> DNA

<213> Homo Sapien

<220>

<221> Artificial Sequence

<222> full

<223> Synthetic oligonucleotide probe

<400> 564

caggaaaacag ctatgaccac ctgcacacct gcaaattccat t 41